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UNITED STATES SECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549Â FORM 10-K(Mark One)â˜’ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIESÂ EXCHANGE ACTÂ OF 1934.For the fiscal year ended DecemberÂ 28, 2024ORâ˜TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIESÂ EXCHANGEÂ ACTÂ OFÂ 1934.For the transition period from Â Â Â Â Â Â Â Â Â Â Â Â to Â Â Â Â Â Â Â Â Â Â Â Â Â Commission File Number 001-07882 Â ADVANCED MICRO DEVICES, INC. (Exact name of registrant as specified in its charter)Delaware94-1692300(State or other jurisdiction of incorporation or organization)(I.R.S. Employer Identification No.)2485 Augustine Drive Santa Clara, California 95054 (Address of principal executive offices)(Zip Code)(408) 749-4000 (Registrantâ€™s telephone number, including area code)Securities registered pursuant to SectionÂ 12(b) of the Act:(Title of each class)(Trading symbol)(Name of each exchangeÂ onÂ which registered)Common Stock, $0.01 par value per shareAMDThe NASDAQ Global Select MarketSecurities registered pursuant to SectionÂ 12(g) of the Act: NoneIndicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.Â Â Â Â YesÂ Â â˜’Â Â Â Â Â NoÂ Â â˜Indicate by check mark if the registrant is not required to file reports pursuant to SectionÂ 13 or SectionÂ 15(d) of the Exchange Act.Â Â Â Â YesÂ Â â˜Â Â Â Â NoÂ Â â˜’Indicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90 days.Â Â Â Â YesÂ Â â˜’Â Â Â Â Â NoÂ Â â˜Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files):Â Â Â Â YesÂ Â â˜’Â Â Â Â NoÂ â˜Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act.Large accelerated filerâ˜’AcceleratedÂ filerâ˜Non-accelerated filerâ˜SmallerÂ reportingÂ companyâ˜Emerging growth companyâ˜If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. â˜ Indicate by check mark whether the registrant has filed a report on and attestation to its managementâ€™s assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C.7262(b)) by the registered public accounting firm that prepared or issued its audit report. â˜’Â If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. â˜ Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrantâ€™s executive officers during the relevant recovery period pursuant to Â§240.10D-1(b). â˜Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Exchange

Act).Â Â Â Â YesÂ Â â˜Â Â Â Â NoÂ Â â˜‘Â As of June 28, 2024, the aggregate market value of the registrantâ€™s common stock held by non-affiliates of the registrant was approximately $261.4 billion based on the reported closing sale price of $162.21 per share as reported on The NASDAQ Global Select Market (NASDAQ) on June 28, 2024, which was the last business day of the registrantâ€™s most recently completed second fiscal quarter. Indicate the number of shares outstanding of each of the registrantâ€™s classes of common stock, as of the latest practicable date: 1,620,477,962 shares of common stock, $0.01 par value per share, as of January 30, 2025.DOCUMENTS INCORPORATED BY REFERENCEPortions of the registrantâ€™s proxy statement for the 2025 Annual Meeting of Stockholders (2025 Proxy Statement) are incorporated into Part III hereof. The 2025 Proxy Statement will be filed with the U.S. Securities and Exchange Commission within 120 days after the registrantâ€™s fiscal year endedÂ DecemberÂ 28, 2024. INDEXPART I1ITEMÂ 1.Business1ITEMÂ 1A.Risk Factors13ITEMÂ 1B.Unresolved Staff Comments39ITEM 1C.Cybersecurity39ITEMÂ 2.Properties40ITEMÂ 3.Legal Proceedings40ITEMÂ 4.Mine Safety Disclosures40PART II41ITEMÂ 5.Market for Registrantâ€™s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities 41ITEMÂ 6.[Reserved]42ITEMÂ 7.Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations43ITEMÂ 7A.Quantitative and Qualitative Disclosure About Market Risk 52ITEMÂ 8.Financial Statements and Supplementary Data53ITEMÂ 9.Changes in and Disagreements with Accountants on Accounting and Financial Disclosure90ITEMÂ 9A.Controls and Procedures91ITEMÂ 9B.Other Information92ITEMÂ 9C.Disclosures Regarding Foreign Jurisdictions that Prevent Inspections92PART III93ITEMÂ 10.Directors, Executive Officers and Corporate Governance93ITEMÂ 11.Executive Compensation93ITEMÂ 12.Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters 93ITEMÂ 13.Certain Relationships and Related Transactions and Director Independence93ITEMÂ 14.Principal Accountant Fees and Services93PART IV94ITEM 15.Exhibits and Financial Statement Schedules94ITEM 16.Form 10-K Summary100SIGNATURES.101Table of ContentsPART IITEM 1.Â Â Â Â BUSINESS Cautionary Statement Regarding Forward-Looking Statements The statements in this report include forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on current expectations and beliefs and involve numerous risks and uncertainties that could cause actual results to differ materially from expectations. These forward-looking statements speak only as of the date hereof or as of the dates indicated in the statements and should not be relied upon as predictions of future events, as we cannot assure you that the events or circumstances reflected in these statements will be achieved or will occur. You can identify forward-looking statements by the use of forward-looking terminology including â€œbelieves,â€ â€œexpects,â€ â€œmay,â€ â€œwill,â€ â€œshould,â€ â€œseeks,â€ â€œintends,â€ â€œplans,â€ â€œpro forma,â€ â€œestimates,â€ â€œanticipates,â€ or the negative of these words and phrases, other variations of these words and phrases or comparable terminology. The forward-looking statements relate to, among other things: possible impact of future accounting rules on AMDâ€™s consolidated financial statements; demand for AMDâ€™s products; AMDâ€™s strategy and expected benefits; the growth, change and competitive landscape of the markets in which AMD participates; international sales will continue to be a significant portion of total sales in the foreseeable future; that AMDâ€™s cash, cash equivalents, and short-term investment balances together with the availability under that certain revolving credit facility (the Revolving Credit Agreement) made available to AMD and certain of its subsidiaries, our commercial paper program, and our cash flows from operations will be sufficient to fund AMDâ€™s operations including capital expenditures and purchase commitments, and acquisitions over the next 12 months and beyond; AMDâ€™s ability to obtain sufficient external financing on favorable terms, or at all; AMDâ€™s expectation that actions associated with the 2024 Restructuring Plan will be substantially completed by the end of the first quarter of fiscal year 2025; AMDâ€™s expectation that based on managementâ€™s current knowledge, the potential liability related to AMDâ€™s current litigation will not have a material adverse effect on its financial position, results of operation or cash flows; anticipated ongoing and increased costs related to enhancing and implementing information security controls; revenue allocated to remaining performance obligations that are unsatisfied which will be recognized in the next 12 months; a small number of customers will continue to account for a substantial part of AMDâ€™s revenue and receivables in the future; the expected implications from the development of the legal and regulatory environment relating to emerging technologies such as AI; AMDâ€™s expectation that it will not pay dividends in the near future; AMDâ€™s ability to achieve its corporate responsibility initiatives; expected future AI technology trends and developments; the expected benefits of AMDâ€™s acquisition of Silo AI Oy (Silo AI); AMDâ€™s anticipated acquisition of ZT Group Intâ€™l, Inc. (ZT Systems) and the anticipated timing of the transaction; AMDâ€™s intention to seek a strategic partner to acquire ZT Systems' manufacturing business; and AMDâ€™s expectation to fund stock repurchases through cash generated from operations. For a discussion of the factors that could cause actual results to differ materially from the forward-looking statements, see â€œPart I, ItemÂ 1A-Risk Factorsâ€ and the â€œFinancial Conditionâ€ section set forth in â€œPart II, ItemÂ 7-Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations,â€ or MD&A, and such other risks and uncertainties as set forth below in this report or detailed in our other Securities and Exchange Commission (SEC) reports and filings. We assume no obligation to update forward-looking statements. Additionally, we make certain voluntary disclosures in this report and on our website, which are informed by various standards and frameworks (including standards for the measurement of underlying data), and the interests of various stakeholders. As such, these voluntary disclosures may not necessarily be â€œmaterialâ€ under the federal securities laws for SEC reporting purposes. Furthermore, much of this information is subject to methodological considerations or information, including from third-parties, that is still evolving and subject to change, and which AMD does not independently verify. For example, our disclosures based on any standards may change due to revisions in framework requirements, availability of information, changes in our business or applicable government policies, or other factors, some of which may be beyond our control.1Table of ContentsReferences in this Annual Report on Form 10-K to â€œAMD,â€ â€œwe,â€ â€œus,â€ â€œmanagement,â€ â€œourâ€ or the â€œCompanyâ€ mean Advanced Micro Devices, Inc. and our consolidated subsidiaries.OverviewAMD is the high performance and adaptive computing leader, powering the products and services that help solve the worldâ€™s most important challenges. Our technologies advance the future of data centers, powering the cloud services that have become an essential part of how we work, game, and connect to network, PCs, edge computing, and artificial intelligence (AI). We drive innovation through high-performance and adaptive computing technology, software and product leadership. With our high-performance product portfolios, we deliver differentiated solutions, such as our semi-custom System-on-Chip (SoCs), Adaptive SoCs, and accelerated processing units (APUs), and platform level client computing devices, embedded platforms and servers for our customers. We offer a deep portfolio of data center computing solutions including AI accelerators, microprocessors (CPUs), graphic processing units (GPUs), data processing units (DPUs), Smart Network Interface Cards (SmartNICs), and field programmable gate arrays (FPGAs), to meet the vast computing performance requirements of todayâ€™s data centers, supercomputers, AI and Machine Learning (ML) data center environments and cloud environments. We drive innovation with our line-up of CPUs, APUs and chipsets for desktops and notebooks, to bring performance, efficiency, AI capabilities and modern security features to gamers, creators, consumers and enterprises. AMD was the first company to integrate a dedicated neural processing unit (NPU) on the same SoC as an x86 CPU for AI PCs. Our GPUs, including discrete GPUs, semi-custom SoC products and development services, work together with software to power immersive gaming experiences for PCs, game consoles and cloud gaming services. We are a leader in embedded computing, where we deliver high-performance and scalability across a full portfolio of CPUs, APUs, FPGAs, system on modules (SOMs) and Adaptive SoCs that are used in a variety of markets, including automotive, industrial, healthcare, storage and networking. We also incorporate dedicated AI processing capabilities into our embedded portfolio.We develop world-class software stacks that are used to enable our high-performance products. Our software stacks include development tools, compilers, and drivers for our CPUs, APUs, GPUs and FPGAs. We work closely with our customers to define and develop customized solutions to precisely match their requirements. We enable this by combining our broad portfolio of high-performance IP with our leadership design and packaging to deliver world-class customized solutions to our customers. We invest in innovative technology and solutions such as our custom-ready chiplet platform and AMD Infinity Architecture to maintain our leadership position as a custom-design silicon provider of choice.Our StrategyWe believe that AI is defining the next era of computing and that the full potential of AI will be realized when the technology is pervasive across cloud, edge and end devices. We believe AMD has the compute engines, intellectual property, software capabilities and expertise to be a leader in this next computing era with a broad, portfolio of high-performance compute engines spanning across supercomputing, cloud, edge, embedded and end devices. We believe we have a unique opportunity to make AMD the end-to-end AI leader based on the breadth of our technology and product portfolios. Our AI strategy is focused on three priorities. The first is delivering a broad portfolio of high-performance adaptive hardware and software solutions. The second is expanding the deep and collaborative partnerships we have established across the ecosystem to accelerate deployments of AMD based AI solutions at scale. And the third is providing compelling user experiences to extend the open and proven software platform we have established that enables our AI hardware to be deployed more broadly and easily.One of our priorities in 2024 was to accelerate growth in our Data Center segment. The demand for our data center AI accelerator products was very strong as large hyperscaler customers, OEMs and ODMs deployed our AMD Instinctâ„¢ MI300X GPUs. During the year, we announced that we have accelerated our AMD AI accelerator roadmap to deliver an annual cadence of leadership AMD Instinct solutions. We announced our 5th Gen AMD EPYCâ„¢ family of server processors, providing leadership performance and capabilities for a wide range of data center workloads. During the year, we completed the acquisition of Silo AI Oy (Silo AI), an AI lab based in Finland. The acquisition of Silo AI expanded our capability to accelerate development and deployment of AI models on AMD hardware. Silo AI has also developed a software stack used to train multiple state-of-the-art large language models (LLMs) on AMD Instinct accelerators that can accelerate the development of highly-performant AMD training solutions.2Table of ContentsWe also focused on building our data center AI rack and data center-scale solutions capabilities by entering into an agreement to acquire ZT Group Intâ€™l, Inc. (ZT Systems), a provider of AI and general purpose compute infrastructure for hyperscale computing companies in August 2024. We believe that with the acquisition of ZT Systems, we can deliver leadership training and inferencing solutions that can accelerate time to deployment for our AMD Instinct platforms. The acquisition is expected to close in the first half of fiscal year 2025, subject to certain regulatory approvals and other customary closing conditions. We intend to seek a strategic partner to acquire ZT Systems' manufacturing business.We continued to invest in driving software capabilities and the open ecosystem to deliver powerful new features and capabilities in the AMD ROCmâ„¢ open software stack, bringing the latest features to highly-performant AI training and inference on AMD platforms. During the year, we made several key optimizations and additional features in the latest AMD ROCm software that increases performance in key generative AI workloads, adds expanded support and optimization for additional frameworks and libraries, and simplifies the overall developer experience. Our BusinessOur four reportable segments are:â€¢the Data Center segment, which primarily includes AI accelerators, server CPUs, GPUs, APUs, DPUs, FPGAs, SmartNICs, and Adaptive SoC products for data centers;â€¢the Client segment, which primarily includes CPUs, APUs, and chipsets for desktops and notebooks;â€¢the Gaming segment, which primarily includes discrete GPUs, semi-custom SoC products and development services; andâ€¢the Embedded segment, which primarily includes embedded CPUs, GPUs, APUs, FPGAs, SOMs, and Adaptive SoC products.In addition to these reportable segments, we have an All Other category, which is not a reportable segment.Beginning with our fiscal year ending December 27, 2025, we plan to combine the Client and Gaming segments into one reportable segment to align with how we manage our business. As a result, we will have three reportable segments: Data Center, Client and Gaming, and Embedded. Data Center Segment Data Center Market The Data Center segment primarily includes server-class CPUs, GPUs, AI accelerators, DPUs, FPGAs, SmartNICs, and Adaptive SoC products. We leverage our technology to address the computational, visual data processing and AI workload acceleration needs in the data center market. Modern data centers require high performance, energy efficient, scalable and adaptable compute engines to meet the demand driven by the growing amount of data that needs to be stored, accessed, analyzed and managed. Different combinations of CPUs, GPUs, DPUs, FPGAs, SmartNICs, and Adaptive SoCs enable the optimization of performance and power for a diverse set of workloads.Data Center Products Server CPUs. Our CPUs for server platforms currently include the AMD EPYC Series processors. EPYC CPUs, which are based on the x86 architecture, are server-specific processors designed for high-performance computing, enterprise IT, supercomputing, and large data centers. We recently announced our 5th generation AMD EPYC family of server processors, further expanding our high-performance server CPU portfolio. Data Center GPUs. Our AMD Instinct family of GPU accelerator products, including AMD Instinct MI200, MI300 and MI325 series, are based on AMD CDNAâ„¢ architecture. AMD Instinct accelerators are designed to address the growing demand for AI training and inferencing and exascale-class scientific computing. Our visual cloud GPU offerings include products in the Radeonâ„¢ PRO V families. Our visual cloud data center GPUs include a range of solutions tailored towards workloads requiring remote visualization, such as Desktop-as-a-Service, Workstation-as-a-Service and Cloud Gaming. 3Table of ContentsFPGAs and Adaptive SoCs. We offer a wide range of FPGAs, Adaptive SoCs and acceleration cards for the data center. Devices include the Virtexâ„¢ and Kintexâ„¢, Artixâ„¢, and Spartanâ„¢ FPGA products, as well as Zynqâ„¢, Zynq MPSoC, and Versalâ„¢ Adaptive SoC products. Our Alveoâ„¢ accelerator cards provide a platform for accelerating multiple data center workloads at the edge or the cloud.Networking Products. Our Pensandoâ„¢ DPUs and comprehensive networking software stack offload data center infrastructure services from the host CPU, are used by large Infrastructure as a Service (IaaS) cloud providers to accelerate workload performance for hosted virtualized and bare-metal offerings. The AMD Solarflareâ„¢ portfolio offers a comprehensive low latency networking solution that combines hardware adapters with the Onloadâ„¢ family of user space networking libraries. AMD Solarflare products are the preferred networking solution for capital markets, enabling customers to develop a wide range of high-performance applications across the entire trading ecosystem.Client SegmentClient MarketOur CPUs and APUs power PCs that have become an integral part of how customers work, learn and play. Client ProductsDesktop CPUs. Our CPUs and APUs for desktop platforms currently include the AMD Ryzen and AMD Ryzen Threadripperâ„¢ processors. We launched the Ryzen 9000 series processors featuring â€œZen 5â€ cores, along with X3D models featuring 2nd generation AMD 3D V-Cacheâ„¢ technology for leadership gaming performance. Our 7000-series Ryzen desktop processors also feature models which include our 1st generation AMD 3D V-Cache technology. Our latest AMD Ryzen G-Series processors integrate advanced graphics. Notebook CPUs. Our AMD Ryzen mobile processors offer a leadership combination of performance, battery life, and immersive visual experiences for PCs. We released AMD Ryzen AI 300 Series processors featuring a NPU for next-generation AI PCs featuring our latest â€œZen 5â€ architecture in 2024. Our AMD Ryzen 8000 Series mobile processors, built on the â€œZen 4â€ feature our first generation NPU, and AMD Ryzen 6000 and 5000 Series mobile processors, which are powered by both our â€œZen 2â€ and â€œZen 3+â€ core architectures, address mainstream consumer and commercial markets. Our AMD Ryzen Z1 Series deliver immersive experiences for handheld gaming systems. Commercial CPUs. The AMD PRO solutions include mobile laptops, desktops and workstations for large enterprise, mid-market and the small and medium business (SMB) customers. Our AMD PRO technology solution offers enterprise-class security features manageability, reliability and extended image stability, for commercial client PCs. We launched our AMD Ryzen AI PRO 300 series, bringing world-class security and manageability and leadership productivity, battery life, and AI capabilities to business notebooks and mobile workstations. Our commitment to high performance leadership continued with the launch of AMD Ryzen PRO 200 Series mobile processors that expand our commercial CPU portfolio to enable PCs spanning a range of price points. The AMD Ryzen PRO 8000G series desktops offer an integrated AI desktop solution for enterprises, and our AMD Ryzen Threadripper PRO CPU enables leadership performance for premium workstations. Chipsets. We offer a full suite of chipset products to support our AMD Ryzen and AMD Threadripper platforms, for entry level through professional workstation desktop systems. Gaming SegmentGraphics MarketGraphics processing is a fundamental component across many of our products. Our customers generally use our graphics solutions to enable immersive visualization and to process AI/ML based workloads. We develop our graphics products for use in various computing devices and entertainment platforms, including data centers, desktop PCs, notebook PCs, handheld devices, All-in-Ones, and professional workstations. In addition, we leverage our core IP, including graphics and processing technologies, to develop semi-custom solutions deeply co-engineered with our customers which has enabled many of todayâ€™s leading gaming consoles and handheld gaming products.4Table of ContentsSemi-Custom Products. Our semi-custom products are tailored, high-performance, customer-specific solutions based on CPU, GPU and multi-media technologies. We work closely with our customers to define solutions to precisely match the requirements of the device or application. AMD semi-custom SoC products power the Sony PlayStationÂ® 5, the Microsoft Â® Xbox Series Sâ„¢ and Xâ„¢ game consoles, as well as the Valve Steam Deck PC. In 2024, Sony launched the PlayStation 5 Pro with additional graphics performance and AI capabilities compared to the original PlayStation 5.Discrete Desktop and Notebook GPUs. Our AMD Radeon discrete GPU processors for desktop and notebook PCs support current generation application programming interfaces (APIs) like DirectXÂ® 12 Ultimate and VulkanÂ®, support high-refresh rate displays and include the latest technologies for immersive gaming experiences and high-performance AI/ML computing. Our current Radeon RX 7000 Series graphics, based on the AMD RDNAâ„¢ 3 architecture, deliver high performance for the latest gaming and creation workloads. All of our graphics products are supported by the AMD Software: Adrenalin Editionâ„¢ application that is regularly enhanced to provide the latest in performance, features, and stability. Professional GPUs. Our AMD Radeon PRO family of professional graphics products are designed for integration in desktop workstations, optimized through hardware and software for demanding use cases such as 3D rendering, design and manufacturing for Computer-Aided Design (CAD), and media and entertainment for broadcast and animation pipelines on high resolution displays. Embedded SegmentThe

Embedded MarketThe Embedded segment primarily includes embedded CPUs, GPUs, APUs, FPGAs, and Adaptive SoC products. Embedded products address computing needs in aerospace and defense, automotive, industrial, vision and healthcare, communications infrastructure, test measurement, emulation and prototyping, audio, video and broadcasting, and data center. Typically, our embedded products are used in applications that require varying levels of performance, where key features may include relatively low power, small form factors, and 24x7 operations. High-performance graphics are important in some embedded systems. Support for LinuxÂ®, WindowsÂ® and other operating systems as well as for increasingly sophisticated applications are also critical for some customers. Other requirements may include meeting rigid specifications for industrial temperatures, shock, vibration and reliability. The embedded market has moved from developing proprietary, custom designs to leveraging industry-standard instruction set architectures and processors as a way to help reduce costs and speed time to market. Embedded Products Embedded CPUs, APUs and GPUs. Our products for embedded platforms include AMD EPYC Embedded CPUs, AMD Ryzen Embedded series processors including V-Series APUs and CPUs and R-Series APUs and CPUs, and Radeon Embedded GPUs. Our embedded processors and GPUs are designed to support high performance compute, high-bandwidth network connectivity and security, high-performance storage requirements for enterprise and cloud infrastructure, 3D graphics performance and 4K multimedia requirements of automotive infotainment systems. FPGAs and Adaptive SoCs. Our FPGA products are hardware-customizable devices that can be tailored to meet the specific needs of each customer, enabling them to differentiate their products and accelerate time to market. Our FPGA families include AMD UltraScale+â„¢, UltraScaleâ„¢ 7 Series, and other older series. Adaptive SoC products include the AMD Zynqâ„¢ SoC and Zynq UltraScale+ Multi-Processing System-on-a-Chip (MPSoC), which combine FPGA technology with a heterogeneous processing system, as well as the industryâ€™s first RFSoC architecture with integrated radio frequency (RF) data converters (Zynq UltraScale+ RFSoC). The AMD Versalâ„¢ portfolio, composed of software-programmable Adaptive SoCs, is a heterogeneous compute platform that combines a processing system, programmable logic, AI Engines, and digital signal processing (DSP) Engines to achieve dramatic system-level performance improvements over today's fastest FPGA competitorsâ€™ solutions and accelerates applications in a wide variety of markets, including aerospace and defense, automotive, industrial, vision and healthcare, communications infrastructure, test measurement, emulation and prototyping, audio, video and broadcasting, and data center.5Table of ContentsDevelopment Boards, Kits and Configuration Products. We offer development kits for all our FPGA and Adaptive SoCs. These kits include hardware, development tools, IP, and reference designs that streamline and accelerate the development of domain-specific and market-specific applications. Our AMD Kriaâ„¢ K24 SOM provides high determinism and low latency for powering electric drives and motor controllers used in compute-intensive DSP applications at the edge. Coupled with our Kria KD240 Drives Starter Kit, an out-of-the-box-ready motor control-based development platform, the products offer a seamless path to production deployment.Legacy Product Families. We offer prior generation high-end Virtexâ„¢ and low-end Spartanâ„¢ FPGA families as well as the original Virtex and Spartan families. Our prior generations of Complex Programmable Logic Devices (CPLD) include the CoolRunnerâ„¢ and XC9500 product families. CPLDs are single-chip, nonvolatile solutions characterized by instant-on and universal interconnect and operate on the lowest end of the programmable logic density spectrum.Design Platforms and ServicesAdaptable Platforms. We offer two types of platforms that support our customers' designs and reduce their development efforts: FPGAs and Adaptive SoCs. FPGAs feature reconfigurable hardware as well as integrated memory, DSP, analog mixed signal, high-speed serial transceivers, and networking cores coupled with advanced software for a broad range of applications in all of our end markets. Our Adaptive SoCs feature a heterogeneous processing system with integrated programmable hardware fabric targeting embedded systems that need real-time control, analytics, sensor fusion, and adaptable hardware for differentiation and acceleration. Our Zynq UltraScale+ RFSoCs feature integrated high-performance RF data converters targeting wireless, radar, and cable access applications. Enabled by both hardware and software design tools and an extensive operating system, middleware, software stack, and IP ecosystem, Adaptive SoCs target software developers as well as traditional hardware designers. Our Versal portfolio combines a processing system, programmable logic, AI Engines, and DSP Engines with leading-edge memory and interfacing technologies to deliver powerful heterogeneous acceleration for any application. This product portfolio is ideally suited to accelerate a broad set of applications in the emerging era of big data and AI. Software Development Platform. Our AMD Vivadoâ„¢ Design Suite provides hardware design teams with the tools and methodology needed to program FPGAs and Adaptive SoCs. Our Vitisâ„¢ unified software platform enables the development and deployment of embedded software and accelerated applications, on our FPGAs and Adaptive SoCs. Our Vitis AI unified software platform enables the development and deployment of AI software on our FPGAs and Adaptive SoCs. Sales and MarketingWe sell our products through our direct sales force and through independent distributors and sales representatives in both domestic and international markets. Our sales arrangements generally operate on the basis of product forecasts provided by the particular customer, but do not typically include any commitment or requirement for minimum product purchases. We primarily use product quotes, purchase orders, sales order acknowledgments and contractual agreements as evidence of our sales arrangements. Our agreements typically contain standard terms and conditions covering matters such as payment terms, warranties and indemnities for issues specific to our products.We generally warrant that our products sold to our customers will conform to our approved specifications and be free from defects in material and workmanship under normal use and conditions for one year. We offer up to three-year limited warranties for certain product types, and sometimes provide other warranty periods based on negotiated terms with certain customers.We market and sell our latest products under the AMD trademark. Our product brand for server microprocessors is AMD EPYCâ„¢ processors. Our product brands for data center graphics are AMD Instinctâ„¢ accelerators, and Radeon PRO V-series. Our client product brands for desktop and notebook PCs include: AMD Ryzenâ„¢, AMD Ryzen AIâ„¢, AMD Ryzen PRO, AMD Ryzenâ„¢ Threadripperâ„¢, AMD Ryzen Threadripper PRO, AMD Athlonâ„¢, and AMD PRO A-Series processors. Our product brand for the consumer graphics market is AMD Radeonâ„¢ graphics, and AMD Embedded Radeon graphics is our product brand for the embedded graphics market. 6Table of ContentsOur product brand for professional graphics products is AMD Radeon PRO graphics. We also market and sell our chipsets under AMD trademarks.Our FPGA products are Virtexâ„¢-6, Virtex-7, Virtex UltraScale+, Kintexâ„¢-7, Kintex UltraScaleâ„¢, Kintex UltraScale+, Artixâ„¢-7, Artix UltraScale+, Spartanâ„¢-6, and Spartan-7 brands.Our product brands for Adaptive SoCs are Zynq-7000, Zynq UltraScale+ MPSoC, Zynq UltraScale+ RFSoCs, Versal HBM, Versal Premium, Versal Prime, Versal AI Core, Versal AI Edge, Vitis, and Vivado.Our product for System-on-Module (SOM) is Kriaâ„¢ brand.We also sell low-power versions of our AMD Athlon, as well as AMD Geodeâ„¢, AMD Ryzen, AMD EPYC, AMD R-Series and G-Series processors as embedded processor solutions. Our compute and network acceleration board products are sold under the Alveoâ„¢ and Pensandoâ„¢ brands.We market our products through direct marketing and co-marketing programs. In addition, we have cooperative advertising and marketing programs with customers and third parties, including market development programs, pursuant to which we may provide product information, training, marketing materials and funds. Under our co-marketing development programs, eligible customers can use market development funds as reimbursement for advertisements and marketing programs related to our products and third-party systems integrating our products, subject to meeting defined criteria.Customers Our Data Center Segment customers consist primarily of hyperscale data centers, original equipment manufacturers (OEMs), original design manufacturers (ODMs), system integrators and independent distributors in both domestic and international markets. ODMs provide design and/or manufacturing services to branded and unbranded private label resellers, OEMs and system builders. Our Client Segment customers consist primarily of PC OEMs, a network of independent distributors and, for chipset products, ODMs that manufacture motherboards. Our Gaming Segment customers include PC OEMs and independent distributors as well as add-in-board manufacturers (AIBs), independent game console and portable gaming devices manufacturers and contract manufacturers for AMD branded graphics cards.Our Embedded Segment products are sold to customers in a very wide range of markets such as aerospace and defense, automotive, industrial, vision and healthcare, communications infrastructure, test measurement, emulation and prototyping, audio, video and broadcasting, and data center. For these products, we either sell directly to our customers or through a network of distributors and OEM partners. We are also developing a network of Value Added Resellers (VARs) and Integrated Solution Vendors (ISVs) for our Alveo products.We work closely with our customers to define product features, performance and timing of new products so that the products we are developing meet our customersâ€™ needs. We also employ application engineers to assist our customers in designing, testing and qualifying system designs that incorporate our products. We believe that our commitment to customer service and design support improves our customersâ€™ time-to-market and fosters relationships that encourage customers to use the next generation of our products.We also work with our customers to create differentiated products that leverage our CPU, GPU, APU, DPU and FPGA technology. Certain customers pay us non-recurring engineering fees for design and development services and a purchase price for the resulting products.7Table of ContentsOriginal Equipment ManufacturersWe focus on three types of OEM partners: multi-nationals, selected regional accounts and selected global and local system integrators, who target commercial and consumer end customers of all sizes. Large multi-nationals and regional accounts are the core of our OEM partnersâ€™ business; however, we are increasingly focused on the VAR channel which resells OEM systems to the mid-market and the small and medium business (SMB) segments. Additionally, we have increased our focus on global system integrators, which resell OEM systems, coupled with their software and services solutions into Enterprise, high performance computing (HPC) and Cloud Service Provider customers. Our OEM customers include numerous foreign and domestic manufacturers of servers and workstations, desktops, notebooks, PC motherboards and game consoles.Hyperscale Data CentersLarge multi-national public cloud service providers and hyperscale private data centers directly and indirectly purchase a substantial portion of our data center-focused products, including server CPUs, GPU accelerators, DPUs, FPGAs and Adaptive SOCs. These products are incorporated into servers and other data center appliances sold by OEMs to the hyperscale customers or into custom servers or hardware designed by or for these customers and manufactured by ODMs or contract manufacturers. Hyperscale data centers use these products to operate web-based applications or to support public cloud computing and storage service offerings, including but not limited to AI workloads such as generative AI models.Third-Party DistributorsOur authorized channel distributors resell to sub-distributors, OEMs, ODMs, and other customers. Typically, distributors handle a wide variety of products, and may include products from other manufacturers that compete with our products. Distributors typically maintain an inventory of our products. In most instances, our agreements with distributors protect their inventory of our products against price reductions and provide certain return rights with respect to any product that we have removed from our price book or otherwise subject to discontinuation. In addition, some agreements with our distributors may contain standard stock rotation provisions permitting limited product returns.Add-in-Board (AIB) Manufacturers and System IntegratorsWe offer component-level graphics and chipset products to AIB manufacturers who in turn build and sell board-level products using our technology to system integrators (SIs), retailers and sub distributors. In most instances, our agreements with AIBs protect their inventory of our products against price reductions. We also sell directly to some SI customers. SIs typically sell from positions of regional or product-based strength in the market. They usually operate on short design cycles and can respond quickly with new technologies. SIs often use discrete graphics solutions as a means to differentiate their products and add value to their customers.CompetitionThe markets in which our products are sold are highly competitive and delivering the latest and best products to market on a timely basis is critical to achieving revenue growth. We believe that the main factors that determine our product competitiveness are total cost of ownership, timely product introductions, product quality, product features and capabilities (including accelerations for key workloads such as AI), energy efficiency (including power consumption and battery life, given their impact on total cost of ownership), reliability, performance, size (or form factor), selling price, cost, adherence to industry standards (and the creation of open industry standards), level of integration, software and hardware compatibility, ease of use and functionality of software design tools, completeness of applicable software solutions, security and stability, brand recognition and availability. We expect that competition will continue to be intense due to rapid technological changes, frequent product introductions by our competitors or new competitors of products that may provide better performance or experiences or that may include additional features that render our products comparatively less competitive. 8Table of ContentsCompetition in Data Center SegmentIn the Data Center segment, we compete primarily against Intel Corporation (Intel) and NVIDIA Corporation (NVIDIA) with our CPU, GPU and DPU server products. In addition, we compete against Intel with our FPGA and Adaptive SoC server products. A variety of smaller fabless silicon companies offer proprietary accelerator solutions and Arm based CPUs targeting data center use-cases. In addition, some of our customers are internally developing their own data center microprocessor products and accelerator products which could impact the available market for our products.Competition in Client SegmentOur primary competitor in the supply of CPUs and APUs is Intel. A variety of companies provide or have developed Arm-based microprocessors and platforms which could lead to further adoption of Arm-based PC solutions. Competition in Gaming SegmentIn the graphics market, our principal competitor in the supply of discrete graphics is NVIDIA, who is the discrete GPU market share leader, and Intel, who manufactures and sells integrated graphics processors and gaming-focused discrete GPUs. With respect to integrated graphics, higher unit shipments of our APUs and Intelâ€™s integrated graphics may drive computer manufacturers to reduce the number of systems they build paired with discrete graphics components, particularly for notebooks, because they may offer satisfactory graphics performance for most mainstream PC users at a lower cost. We are the market share leader in semi-custom game console products, where graphics performance is critical. Competition in Embedded Segment We expect continued competition from our primary FPGA competitors such as Intel, Lattice Semiconductor Corporation and Microsemi Corporation, and from ASSP vendors such as Broadcom Corporation, Marvell Technology Group, Ltd., Analog Devices, Texas Instruments Incorporated and NXP Semiconductors N.V., and from Qualcomm Incorporated and NVIDIA. In addition, we expect continued competition from the ASIC market, which has been ongoing since the inception of FPGAs. Intel is our main competitor for embedded CPUs. Other competitors include manufacturers of high-density programmable logic products characterized by FPGA-type architectures; high-volume and low-cost FPGAs as programmable replacements for ASICs and ASSPs; ASICs and ASSPs with incremental amounts of embedded programmable logic; high-speed, low-density CPLDs; high-performance DSP devices; products with embedded processors; products with embedded multi-gigabit transceivers; discrete general-purpose GPUs targeting data center and automotive applications; and other new or emerging programmable logic products.Research and Development We focus our research and development (R&D) activities on designing and developing products. Our main area of focus is on delivering the next generation of processors (CPU and GPU), FPGAs and Adaptive SoCs, accelerators (adaptive, graphics and DPU), SOMs and SmartNICs and associated software. We focus on designing, with security in mind, new integrated circuits (ICs) with improved performance and performance-per-watt in advanced semiconductor manufacturing processes, the design of logic and interface IP, advanced packaging technologies, and heterogeneous integration technologies. We also focus on software as part of the development of our products, including design automation tools for hardware, embedded software, optimized software tools and libraries that extend the reach of our platforms to software and AI developers. Through our R&D efforts, we were able to introduce a number of new products and enhance our IP core offerings and software. We also work with industry leaders on process technology, design tools, intellectual property, software and other industry consortia to conduct early-stage R&D. We are also actively contributing to numerous industry open-source software initiatives across a broad range of technologies. We conduct product and system R&D activities for our products in the United States with additional design and development engineering teams located in various countries who undertake specific activities at the direction of our U.S. headquarters. 9Table of ContentsManufacturing Arrangements and Assembly and Test FacilitiesThird-Party Wafer Foundry FacilitiesWe utilize Taiwan Semiconductor Manufacturing Company Limited (TSMC) for the production of wafers for our HPC, FPGA and Adaptive SoC products and GLOBALFOUNDRIES Inc. (GF), with respect to wafer purchases for our HPC products at the 12 nm and 14 nm technology nodes. Additionally, we utilize TSMC, United Microelectronics Corporation (UMC) and Samsung Electronics Co., Ltd. for the production of our ICs in the form of programmable logic devices.Other Third-Party Manufacturers We outsource board-level graphics product manufacturing to third-party manufacturers.Assembly, Test, Mark and Packaging Facilities Wafers for our products are either sorted by the foundry or delivered by the foundry to our assembly, test, mark and packaging (ATMP) partners or subcontractors located in the Asia-Pacific region who package and test our final semiconductor products. We are party to two ATMP joint ventures (collectively, the ATMP JVs) with Tongfu Microelectronics Co., Ltd. The ATMP JVs, Siliconware Precision Industries Ltd. (SPIL) and King Yuan Electronics Company (KYEC) provide ATMP services for our products. Intellectual Property and Licensing We rely on contracts and intellectual property rights to protect our products and technologies from unauthorized third-party copying and use. Intellectual property rights include copyrights, patents, patent applications, trademarks, trade secrets and mask work rights. As of DecemberÂ 28, 2024, we had approximately 7,500 patents in the United States and approximately 1,900 patent applications pending in the United States. In certain cases, we have filed corresponding applications in foreign jurisdictions. Including United States and foreign matters, we have approximately 18,800 patent matters worldwide consisting of approximately 13,200 issued patents and 5,600 patent applications pending. We expect to file future patent applications in both the United States and abroad on significant inventions, as we deem appropriate. We do not believe that any individual patent, or the expiration of any patent, is or would be material to our business. As is typical in the semiconductor industry, we have numerous cross-licensing and technology exchange agreements with other companies under which we both transfer and receive technology and intellectual property rights. We have acquired various licenses from external parties to certain technologies that are implemented in our products, including our IP cores and devices. These licenses support our continuing ability to make and sell our products. We have also acquired licenses to certain proprietary software, open-source software, and related technologies, such as compilers, for our design tools. Continued use of such software and technology is important to the operation of the design tools upon which our customers depend.BacklogSales are made primarily pursuant to purchase orders for current delivery or agreements covering purchases over a period of time. Although such orders or agreements may provide visibility into future quarters, they may not necessarily be indicative of actual sales for any succeeding period as some of these orders or agreements may be revised or canceled without penalty.SeasonalityOur operating results tend to vary seasonally. Historically, our net revenue has been generally higher in the second half of the year than in the first half of the year, although market conditions and product transitions could impact these trends.Human CapitalAs of DecemberÂ 28, 2024, we had approximately 28,000 employees in our global workforce. We believe we are at our best when our culture of innovation, creative minds and people from all kinds of backgrounds work together in an engaging and open environment. Areas of focus for us include the following: Mission, Culture, and Engagement Our History - Founded in 1969 as a Silicon Valley start-up, the AMD journey began with dozens of employees focused on leading-edge semiconductor products. From those modest beginnings, we have grown into a global 10Table of Contentscompany achieving many important industry firsts along the way. Today, we develop high-performance and adaptive computing to solve some of the worldâ€™s toughest and most interesting challenges. Our Vision - High performance and adaptive computing is transforming our lives.Our Mission - Build great products that accelerate next-generation computing experiences. Our employees are driven by this vision and mission. Innovation occurs when creative minds and diverse perspectives from all over the world work together. This is the foundation of our unique culture and the reason we believe our employees are among the most engaged in our industry. We conduct an annual survey of our global workforce to measure our culture, engagement, and workplace experience. The results are reviewed by our Board of Directors and acted upon by our senior leadership team. Results from our 2024 survey reported scores that continued to be among the very best for global companies in the technology industry. Our employees described our culture as inclusive, innovative, open, and respectful, and rated the quality of our managers high, and employment engagement is among the top 10% of our high-performing technology industry peers. Diversity, Belonging and Inclusion (DB&I)Our diverse and inclusive workforce encourages employees to share their opinions and different perspectives. We believe that building a diverse talent pipeline, encouraging a culture of respect and belonging, and increasing inclusion of unique and underrepresented voices makes our company stronger. Our Employee Resource Groups (ERGs), which are open to all our employees, encourage employee engagement and play an important role in our culture. More than 85% of all new hires join at least one of AMDâ€™s ERGs when starting employment. In 2024, we continued to focus on developing our female engineering community through mentoring opportunities and expanding the program, â€œAdvancing Women in Technology,â€ that aims to support the career development of women in technical careers at AMD.Total RewardsWe invest in our workforce by offering competitive salaries, incentives, and benefits to ensure that we continue to attract and retain the industryâ€™s best and brightest in an equitable manner. We regularly review our compensation practices, considering factors relevant to ensuring equitable pay such as an employeeâ€™s role, experience, skills, and performance. We also benchmark set pay ranges based on relevant market data and our overall workforce. We focus on flexibility and choice in our benefits that resonate with a multi-generational workforce as well as offering inclusive benefits that support our DB&I objectives, such as global parental and bereavement leave, and financial assistance to build a family through adoption or surrogacy. While we believe that there is unique collaboration that can occur when employees meet in person, we embrace flexibility with hybrid and remote work as options for our employees. We have a strong pay for performance culture that we believe drives superior results. Our employees have benefited from our robust financial results through our strong short-term and long-term incentive programs. Our rewards programs enable us to attract, retain and motivate our workforce.Development We offer our employees opportunities to advance their careers at the Company and the majority of our new leaders are promoted from within. We are focused on leadership progression and encourage our employees to take advantage of new opportunities. Our manager and leadership development programs are highly rated, and we provide specialized development programs for our employees as well as educational assistance in the form of tuition reimbursement for eligible employees to continue their university education or achieve advanced certifications. We have an enterprise-wide mentoring program where employees have the opportunity to learn from experienced colleagues, develop new skills, and build their professional networks. The program also supports effective onboarding, helping new hires more quickly acclimate to our company culture and work processes. We believe that our mentoring program is a valuable investment in our workforce, and we are committed to its ongoing success.11Table of ContentsEmployee VoiceAt AMD, we value the importance of employee voice and actively engage in efforts to ensure that our employees' opinions and perspectives are heard and considered. Our employee voice strategy includes an annual AMDer Survey (engagement survey). Our scores rank AMD in the top 10% of high-tech firms on similar questions, categories and overall score. Additionally, we measure effectiveness across all elements of the employee lifecycle, including onboarding, exit, and regularly seek out employee feedback on areas including benefits and total rewards satisfaction. Further, our executive team holds frequent employee roundtables, town halls and global team meetings with question-and-answer segments which facilitate open communication and feedback from our workforce. Government RegulationsOur global operations are subject to various United States and foreign laws and regulations, including, but not limited to, those relating to export control, customs, intellectual property, data privacy and security, climate, environmental, health and safety requirements, cybersecurity, tax, employment, competition and anti-trust, anti-corruption, anti-bribery, conflict minerals, corporate governance, financial and other disclosures, and AI. Compliance with these governmental laws and regulations do not presently have a material adverse impact on our capital expenditures, results of operations or competitive position. However, compliance with changes to existing or new regulations may have a material adverse impact on our future capital expenditures, results of operations or competitive position. In addition, the failure to comply with government laws and regulations may subject us to consequences including fines, limits on our ability to sell our products, suspension of certain of our business activities, reputational damage, criminal and civil liabilities, and sanctions, which may have a material adverse effect on our capital expenditures, results of operations or competitive position. For additional information about government regulations applicable to our business, and their potential impacts see Risk Factors in Item 1A.Environmental Regulations Our operations and properties are subject to various United States and foreign laws and regulations, including those relating to materials used in our products and the manufacturing processes of our products, discharge of pollutants into the environment, the treatment, transport, storage and disposal of solid and hazardous wastes and remediation of contamination. These laws and regulations require our suppliers to obtain permits for operations in making our products, including the discharge of air pollutants and wastewater. Environmental laws are complex, change frequently and tend to become more stringent over time. For example, the European Union (EU) and China are among a growing number of jurisdictions that have enacted restrictions on the use of lead and other materials in electronic products. These regulations affect semiconductor devices and packaging. Jurisdictions including the EU, Australia, California and China are developing or have finalized market entry or public procurement regulations for computers and servers based on ENERGY STAR specifications as well as additional energy consumption limits.Certain environmental laws, including the United States Comprehensive, Environmental Response, Compensation and Liability Act of 1980, or the Superfund Act, impose strict or, under certain circumstances, joint and several liability on current and previous owners or operators of real property for the cost of removal or remediation of hazardous substances and impose liability for damages to natural resources. These laws often impose liability even if the owner or operator did not know of, or was not responsible for, the release of such hazardous substances. These environmental laws also assess liability on persons who arrange for hazardous substances to be sent to disposal or treatment facilities when such facilities are found to be contaminated. Such persons can be responsible for cleanup costs even if they never owned or operated the contaminated facility. We have been named as a responsible party on Superfund clean-up orders for three sites in Sunnyvale, California that are on the National Priorities List. Since 1981, we have discovered hazardous material releases to the groundwater from former underground tanks and proceeded to investigate and conduct remediation at these three sites. The chemicals released into the groundwater were commonly used in the semiconductor industry in the United States in the wafer fabrication process prior to 1979.In 1991, we received Final Site Clean-up Requirements Orders from the California Regional Water Quality Control Board relating to the three sites. We have entered into settlement agreements with other responsible parties on two of the orders. During the term of such agreements, other parties have agreed to assume most of the foreseeable costs as well as the primary role in conducting remediation activities under the orders. We remain responsible for additional costs beyond the scope of the agreements as well as all remaining costs in the event that the other parties do not fulfill their obligations under the settlement agreements.12Table of ContentsTo address anticipated future remediation costs under the orders, we have computed and recorded an estimated environmental liability of approximately $5.5 million and have not recorded any potential insurance recoveries in determining the estimated costs of the cleanup. The progress of future remediation efforts cannot be predicted with certainty and these costs may change. We believe that any amount in addition to what has already been accrued would not be material.Additional InformationAMD was incorporated under the laws of Delaware on May 1, 1969 and became a publicly held company in 1972. Our common stock is currently listed on The NASDAQ Global Select Market (NASDAQ) under the symbol â€œAMDâ€. Our mailing address and executive offices are located at 2485 Augustine Drive, Santa Clara, California 95054, and our telephone number is (408) 749-4000. For financial information about geographic areas and for segment information with respect to revenues and operating results, refer to the information set forth in Note 4 of our consolidated financial statements. We use a 52- or 53-week fiscal year ending on the last Saturday in December. References in this report to 2024, 2023 and 2022 refer to the fiscal year unless explicitly stated otherwise.AMD, the AMD Arrow logo, 3D V-Cache, AMD Athlon, AMD CDNA, AMD FidelityFX, AMD FirePro, AMD FreeSync, AMD Instinct, AMD RDNA, Alveo, Artix, CoolRunner, EPYC, Geode, Infinity Fabric, Kinex, Kria, Opteron, Pensando, Radeon, ROCm, Ryzen, Spartan, Threadripper, UltraScale, UltraScale+, Versal, Virtex, Vitis, Vivado, XDNA, Xilinx, Zynq and combinations thereof are trademarks of Advanced Micro Devices, Inc.Microsoft, Windows, DirectX and Xbox One are registered trademarks of Microsoft Corporation in the United States and/or other countries. Linux is the registered trademark of Linus Torvalds in the United States and/or other countries. PlayStation is a registered trademark of Sony Interactive Entertainment, Inc. Arm is a registered trademark of Arm Limited (or its subsidiaries) in the United States and/or other countries. Vulkan and the Vulkan logo are registered trademarks of Khronos Group Inc. Steam Deck and the Steam Deck logo are trademarks and/or registered trademarks of Valve Corporation in the United States and/or other countries. Other names are for informational purposes only and are used to identify companies and products and may be trademarks of their respective owners.Website Access to Our SEC Filings and Corporate Governance DocumentsOn the Investor Relations pages of our website, http://ir.amd.com, we post links to our filings with the SEC, our Principles of Corporate Governance, our Code of Ethics for our executive officers, all other senior finance executives and certain representatives from legal and internal audit, including our Chief Executive Officer, Chief Financial Officer, Chief Accounting Officer and persons performing similar functions, our Worldwide Standards of Business Conduct, which applies to our Board of Directors and all of our employees, and the charters of the committees of our Board of Directors. Our filings with the SEC are posted on our website as soon as reasonably practical after they are electronically filed with, or furnished to, the SEC. The SEC website, www.sec.gov, contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC. You can also obtain copies of these documents by writing to us at: Corporate Secretary, AMD, 2485 Augustine Drive, Santa Clara, California 95054, or emailing us at: Corporate.Secretary@amd.com. All of these documents and filings are available free of charge.If we make substantive amendments to our Code of Ethics or grant any waiver, including any implicit waiver, to our principal executive officer, principal financial officer, principal accounting officer, controller or persons performing similar functions, we intend to disclose the nature of such amendment or waiver on our website.The information contained on our website is not incorporated by reference in, or considered to be a part of, this report.13Table of ContentsITEM 1A. RISK FACTORSThe risks and uncertainties described below are not the only ones we face. If any of the following risks actually occurs, our business, financial condition or results of operations could be materially adversely affected. In addition, you should consider the interrelationship and compounding effects of two or more risks occurring simultaneously.Risk Factors SummaryThe following is a summary of the principal risks that could adversely affect our business, financial condition and results of operations.Economic and Strategic Risksâ—¦Intel Corporationâ€™s dominance of the microprocessor market and its aggressive business practices may limit our ability to compete effectively on a level playing field. â—¦Nvidiaâ€™s dominance in the graphics processing unit market and its aggressive business practices may limit our ability to compete effectively on a level playing field.â—¦The markets in which our products are sold are highly competitive and rapidly evolving. â—¦The semiconductor industry is highly cyclical and has experienced severe downturns.â—¦The demand for our products depends in part on the market conditions in the industries into which they are sold. â—¦The success of our business depends on our ability to introduce products on a timely basis with features and performance levels that provide value to our customers while supporting significant industry transitions.â—¦The loss of a significant customer may have a material adverse effect on us.â—¦Economic and market uncertainty may adversely impact our business and operating results.â—¦Our operating results are subject to quarterly and seasonal sales patterns.â—¦If we cannot adequately protect our technology or other intellectual property through patents, copyrights, trade secrets, trademarks and other measures, we may lose a competitive advantage and incur significant expenses.â—¦Unfavorable currency exchange rate fluctuations could adversely affect us.Operational and Technology Risksâ—¦We rely on third parties to manufacture our products, and if they are unable to do so on a timely basis in sufficient quantities and using competitive technologies, our business could be materially adversely affected.â—¦Essential equipment, materials, substrates or manufacturing processes may not be available to us.â—¦We may fail to achieve expected manufacturing yields for our products.â—¦Our revenue from our semi-custom System-on-Chip (SoC) products is dependent upon our semi-custom SoC products being incorporated into customersâ€™ products and the success of those products.â—¦Our products may be subject to security vulnerabilities that could have a material adverse effect on us.â—¦IT outages, data loss, data breaches and cyberattacks could disrupt operations and compromise our intellectual property or other sensitive information, be costly to remediate or cause significant damage to our business, reputation, financial condition and results of operations.â—¦Uncertainties involving the ordering and shipment of our products could materially adversely affect us.â—¦Our ability to design and introduce new products includes the use of third-party intellectual property.â—¦We depend on third-party companies for the design, manufacture and supply of motherboards, software, memory and other computer platform components to support our business and products.14Table of Contentsâ—¦If we lose Microsoft Corporationâ€™s support for our products or other software vendors do not design and develop software to run on our products, our ability to sell our products could be materially adversely affected.â—¦Our reliance on third-party distributors and add-in-board (AIB) partners subjects us to certain risks.â—¦Our business depends on the proper functioning of our internal business processes and information systems.â—¦Our products may not be compatible with some or all industry-standard software and hardware.â—¦Costs related to defective products could have a material adverse effect on us.â—¦We may fail to maintain the efficiency of our supply chain as we respond to changes in customer demand.â—¦We outsource to third parties certain supply-chain logistics functions.â—¦We may be unable to effectively control the sales of our products on the gray market.â—¦Climate change may have a long-term impact on our business.Legal and Regulatory Risksâ—¦Government actions and regulations may limit our ability to export our products to certain customers.â—¦If we cannot realize our deferred tax assets, our results of operations could be adversely affected.â—¦Our business is subject to potential tax liabilities, including as a result of tax regulation changes.â—¦We are party to litigation and may become a party to other claims or litigation.â—¦We are subject to environmental laws, conflict minerals regulations, as well as a variety of other laws or regulations.â—¦Evolving expectations from governments, investors, customers and other stakeholders regarding corporate responsibility matters could result in additional costs, harm to our reputation and a loss of customers.â—¦Issues related to the responsible use of AI may result in reputational, competitive and financial harm and liability.â—¦The agreements governing our notes, our guarantee of Xilinxâ€™s notes, and our Revolving Credit Agreement impose restrictions on us that may adversely affect our ability to operate our business. Merger, Acquisition, Divestiture, and Integration Risksâ—¦Acquisitions, joint ventures, and/or strategic investments, and the failure to integrate acquired businesses may fail to materialize their anticipated benefits and could disrupt our business.â—¦Our ability to complete the acquisition of ZT Systems is subject to closing conditions. â—¦Any impairment of our tangible, definite-lived intangible or indefinite-lived intangible assets, including goodwill, may adversely impact our financial position and results of operations.General Risksâ—¦Our worldwide operations are subject to political, legal and economic risks and natural disasters.â—¦We may incur future impairments of our technology license purchases.â—¦Our inability to continue to attract and retain qualified personnel may hinder our business.â—¦Our stock price is subject to volatility.For a more complete discussion of the material risks facing our business, see below. 15Table of ContentsEconomic and Strategic RisksIntel Corporationâ€™s dominance of the microprocessor market and its aggressive business practices may limit our ability to compete effectively on a level playing field.Intelâ€™s microprocessor market share position, significant financial resources, introduction of competitive new products, and existing relationships with top-tier OEMs have enabled it to market and price its products aggressively, to target our customers and our channel partners with special incentives and to influence customers who do business with us. These aggressive activities have in the past resulted in lower unit sales and a lower average selling price for many of our products and adversely affected our margins and profitability. Intel also dominates the computer system platform and has a heavy influence on PC manufacturers, other PC industry participants, and benchmarks. It is able to drive de facto standards and specifications for x86 microprocessors that could cause us and other companies to have delayed access to such standards. We may be materially adversely affected by Intelâ€™s business practices, including rebating and allocation strategies and pricing actions designed to limit our market share and margins; product mix and introduction schedules; product bundling, marketing and merchandising strategies; and exclusivity payments to its current and potential customers, retailers and channel partners. We expect Intel to continue to heavily invest substantial resources in marketing, research and development, new manufacturing facilities and other technology companies.Nvidiaâ€™s dominance in the graphics processing unit market and its aggressive business practices may limit our ability to compete effectively on a level playing field.Nvidiaâ€™s Data Center GPU market share position, significant financial resources, introduction of competitive new products and proprietary software ecosystem have enabled it to market and price its products in a manner to encourage the selection of Nvidia-based systems and to influence customers who do business with us. We may be materially adversely affected by Nvidiaâ€™s business practices, including allocation strategies and pricing actions; product mix and introduction schedules; and product bundling strategies. Nvidiaâ€™s practices can limit customersâ€™ ability to choose non-Nvidia products, including our products, and in turn, may limit our market share and decrease our margins and profitability, which could have a material adverse effect on our business. We expect Nvidia to continue to heavily invest substantial resources in research and development, marketing and other technology companies.The markets in which our products are sold are highly competitive and rapidly evolving. The markets in which our products are sold are highly competitive and rapidly evolving. We expect that competition will continue to be intense due to rapid technological changes, new and evolving industry standards, changing customer preferences and requirements, and frequent introductions by our competitors or new competitors of products that may provide better performance/experience or that may include additional features that render our products comparatively less competitive. In addition, we are entering markets with current and new competitors who may be able to adapt more quickly to customer requirements and emerging technologies. For example, the AI market is subject to rapid technological change, product obsolescence, frequent new product introductions and feature enhancements, changes in end-user requirements and evolving industry trends and legal standards. We cannot guarantee that we will be able to compete successfully against current or new competitors who may have stronger positions in these new markets or superior ability to anticipate customer requirements and emerging industry trends. While we see significant opportunity in AI, we expect intense competition from companies such as Nvidia in the supply of GPUs and other accelerators for the AI market. We may face competition from some of our customers who internally develop the same products as us. Increased adoption of Arm-based semiconductor designs could lead to further growth and development of the Arm ecosystem. We may also face delays or disruptions in research and development efforts, or we may be required to invest significantly greater resources in research and development than anticipated. In addition, the semiconductor industry has seen several mergers and acquisitions over the last number of years. Further consolidation could adversely impact our business due to there being fewer suppliers, customers and partners in the industry.16Table of ContentsWe believe that the main factors that determine our product competitiveness are total cost of ownership, timely product introductions, product quality, product features and capabilities (including accelerations for key workloads such as AI, energy efficiency (including power consumption and battery life, given their impact on total cost of ownership), reliability, performance, size (or form factor), selling price, cost, adherence to industry standards (and the creation of open industry standards), level of integration, software and hardware compatibility, ease of use and functionality of software design tools, completeness of applicable software solutions, security and stability, brand recognition and availability. If competitors introduce competitive new products into the market before us, demand for our products could be adversely impacted and our business could be adversely affected. Further, our competitors have significant marketing and sales resources which could increase the competitive environment in a declining market or during challenging economic times, leading to lower prices and a reduction in our margins. To the extent our competitors introduce competitive new products and technologies into the market before we do, or introduce products and technologies that provide better performance/experience or at better prices, our products and technologies may be comparatively less competitive and our competitive position may weaken, which could adversely harm our business and results of operations. From time to time, governments provide incentives or make other investments that could benefit and give a competitive advantage to our competitors. For example, the United States government enacted the Creating Helpful Incentives to Produce Semiconductors for America and Science Act (CHIPS Act) of 2022 to provide financial incentives to the U.S. semiconductor industry. Government incentives, including the CHIPS Act, may not be available to us on acceptable terms or at all. If our competitors can benefit from such government incentives and we cannot, it could strengthen our competitorsâ€™ relative position and have a material adverse effect on our business.The semiconductor industry is highly cyclical and has experienced severe downturns that have materially adversely affected, and may continue to materially adversely affect, our business in the future.The semiconductor industry is highly cyclical and has experienced significant downturns, often in conjunction with constant and rapid technological change, wide fluctuations in supply and demand, continuous new product introductions, price erosion and declines in general economic conditions. We have incurred substantial losses in previous downturns, due to substantial declines in average selling prices; the cyclical nature of supply and demand imbalances in the semiconductor industry; a decline in demand for end-user products that incorporate our products; and excess inventory levels and periods of inventory adjustment. Such industry-wide fluctuations may materially adversely affect us in the future. Global economic uncertainty and weakness have in the past impacted the semiconductor market as consumers and businesses have deferred purchases, which negatively impacted demand for our products. Our financial performance has been, and may in the future be, negatively affected by these downturns. The growth of our business is also dependent on continued demand for our products from high-growth adjacent emerging global markets. Our ability to be successful in such markets depends in part on our ability to establish adequate local infrastructure, as well as our ability to cultivate and maintain local relationships in these markets. If demand from these markets is below our expectations, sales of our products may decrease, which would have a material adverse effect on us.The demand for our products depends in part on the market conditions in the industries into which they are sold. Fluctuations in demand for our products or a market decline in any of these industries could have a material adverse effect on our results of operations.Industry-wide fluctuations in the computer marketplace have materially adversely affected us in the past and may materially adversely affect us in the future. We offer products that are used in different end markets and the demand for our products can vary among our Data Center, Client, Gaming and Embedded end markets. For instance, in our Data Center segment, we offer products that are optimized for generative AI applications and since the fourth quarter of 2023, we have experienced significant demand for our AI accelerators. The demand for such products in part will depend on the extent to which our customers utilize generative AI solutions in a wide variety of applications, and both the near-term and long-term trajectory of such generative AI solutions is unknown. Also, our Client segment revenue is focused on the consumer desktop and notebook PC segments and will depend in part on the marketâ€™s adoption of AI PCs. We are actively building AI capabilities into all our Client products, such as Ryzen AI PC processors, but there can be no assurance about the rate and pace of adoption of such product offerings. In the past, revenues from the Client and Gaming segments have experienced a decline driven by, among other factors, the adoption of smaller and other form factors, increased competition and changes in replacement cycles. 17Table of ContentsIn addition, our GPU revenue in the past has been affected in part by the volatility of the cryptocurrency mining market. If we are unable to manage the risks related to the volatility of the cryptocurrency mining market (including potential actions by global monetary authorities), our GPU business could be materially adversely affected. The success of our semi-custom SoC products in our Gaming segment is dependent on securing customers for our semi-custom design pipeline and consumer market conditions, including the success of game console systems and next generation consoles for Sony and Microsoft. Our Embedded segment primarily includes embedded CPUs and GPUs, APUs, FPGAs and Adaptive SoC products some of which are subject to macroeconomic trends and volatile business conditions. To the extent our embedded customers are faced with higher inventory levels, they may choose to draw down their existing inventory and order less of our products. For example, our Embedded segment revenue decreased in 2024 as customers continued to normalize their inventory levels.The success of our business depends on our ability to introduce products on a timely basis with features and performance levels that provide value to our customers while supporting and coinciding with significant industry transitions.Our success depends to a significant extent on the development, qualification, implementation and acceptance of new product designs and improvements that provide value to our customers. Our ability to identify industry changes, and adapt our strategy to develop, qualify and distribute, and have manufactured, new products and related technologies to meet evolving industry trends and requirements, at prices acceptable to our customers and on a timely basis, are significant factors in determining our competitiveness in our target markets. We cannot assure you that we will be able to meet the evolving needs of industry changes or that our efforts to execute our product roadmap will result in innovative products and technologies that provide value to our customers. If we fail to or are delayed in identifying, developing, qualifying or shipping new products or technologies that provide value to our customers and address these new trends, or if we fail to predict which new form factors, product features preferences or requirements consumers will adopt and adapt our business accordingly, we may lose competitive positioning, which could cause us to lose market share and require us to discount the selling prices of our products. Although we make substantial investments in research and development, we cannot be certain that we will be able to develop, obtain or successfully implement new products and technologies on a timely basis or that they will be well-received by our customers. Moreover, our investments in new products and technologies involve certain risks and uncertainties and could disrupt our ongoing business. New investments may not generate sufficient revenue, may incur unanticipated liabilities and may divert our limited resources and distract management from our current operations. We cannot be certain that our ongoing investments in new products and technologies will be successful, will meet our expectations and will not adversely affect our reputation, financial condition and operating results. For example, as part of our pervasive AI strategy, we have a portfolio of hardware products and software tools to allow our customers to develop scalable and pervasive AI solutions. We are actively building AI capabilities into our products, but there can be no assurance about the rate and pace of adoption of such product offerings. In our Data Center segment, we offer products that are optimized for generative AI applications and since the fourth quarter of 2023, we have experienced significant demand for our AI accelerators. The demand for such products in part will depend on the extent to which our customers utilize generative AI solutions in a wide variety of applications, and both the near-term and long-term trajectory of such generative AI solutions is unknown. If we fail to develop and timely offer or deploy such products and technologies, keep pace with the product offerings of our competitors, or adapt to unexpected changes in industry standards or disruptive technological innovation, our business could be adversely affected. Additionally, our efforts in developing new AI technology solutions are inherently risky and may not always succeed. We may incur significant costs, resources, investments and delays and not achieve a return on investment or capitalize on the opportunities presented by demand for AI solutions. Moreover, while AI adoption is likely to continue and may accelerate, the long-term trajectory of this technological trend is uncertain. 18Table of ContentsDelays in developing, qualifying or shipping new products can also cause us to miss our customersâ€™ product design windows or, in some cases, breach contractual obligations. If our customers do not include our products in the initial design of their computer systems or products, they will typically not use our products in their systems or products until at least the next design configuration. The process of being qualified for inclusion in a customerâ€™s system or product can be lengthy and could cause us to further miss a cycle in the demand of end-users, which also could result in a loss of market share and harm our business. We also depend on the success and timing of our customersâ€™ platform launches. If our customers delay their product launches or if our customers do not effectively market their platforms with our products, it could result in a delay in bringing our products to market and cause us to miss a cycle in the demand of end-users, which could materially adversely affect our business. The increasing frequency and complexity of our newly introduced products may result in unanticipated quality or production issues that could result in product delays. In addition, market demand requires that products incorporate new features and performance standards on an industry-wide basis. Over the life of a specific product, the sale price is typically reduced over time. The introduction of new products and enhancements to existing products is necessary to maintain the overall corporate average selling price. If we are unable to introduce new products with sufficiently high sale prices or to increase unit sales volumes capable of offsetting the reductions in the sale prices of existing products over time, our business could be materially adversely affected.The loss of a significant customer may have a material adverse effect on us.We depend on a small number of customers for a substantial portion of our business, and we expect that a small number of customers will continue to account for a significant part of our revenue and receivables in the future. If one of our key customers decides to stop buying our products, materially reduces its operations or its demand for our products, or has operations that are materially impaired for a significant period of time such that it is unable to receive or utilize our products, or pay its liabilities, our business would be materially adversely affected.Economic and market uncertainty may adversely impact our business and operating results.Uncertain global or regional economic conditions have and may in the future adversely impact our business. Uncertainty in the economic environment or other unfavorable changes in economic conditions, such as inflation, higher interest rates, recession, slowing growth, increased unemployment, tighter credit markets, changes in fiscal monetary or trade policy, or currency fluctuations, may negatively impact consumer confidence and spending causing our customers to stop or postpone purchases. For example, our Embedded segment revenue decreased in 2024 as customers continued to normalize their inventory levels. During challenging economic times, our current or potential future customers may experience cash flow problems and as a result may modify, delay or cancel plans to purchase our products. Additionally, if our customers are not successful in generating sufficient revenue or are unable to secure financing, they may not be able to pay, or may delay payment of, accounts receivable that they owe us. The risk related to our customers potentially defaulting on or delaying payments to us is increased because we expect that a small number of customers will continue to account for a substantial part of our revenue. Any inability of our current or potential future customers to pay us for our products may adversely affect our earnings and cash flow. Moreover, our key suppliers may reduce their output or become insolvent, thereby adversely impacting our ability to manufacture our products. Adverse changes in economic conditions could increase costs of memory, equipment, materials or substrates and other supply chain expenses. If we are not able to procure a stable supply of materials on an ongoing basis and at reasonable costs to meet our production requirements, we could experience a supply shortage or an increase in production costs, which could negatively impact our gross margin and materially adversely affect our business. Our ability to forecast our operating results, make business decisions and execute our business strategy could be adversely impacted by challenging macroeconomic conditions. In addition, uncertain economic conditions could lead to higher borrowing costs and reduced availability of capital and credit markets, making it more difficult for us to raise funds through borrowings or private or public sales of debt or equity securities. An economic downturn or increased uncertainty could also lead to failures of counterparties including financial institutions and insurers, asset impairments and declines in the value of our financial instruments. If a banking institution in which we hold funds fails or is subject to significant adverse conditions in the financial or credit markets, we could be subject to a risk of loss of all or a portion of such uninsured funds or be subject to a delay in accessing all or a portion of such uninsured funds, which in turn could adversely impact our short-term liquidity and ability to meet our operating expense obligations. 19Table of ContentsOur operating results are subject to quarterly and seasonal sales patterns.The profile of our sales may be weighted differently during the year. A large portion of our quarterly sales have historically been made in the last month of the quarter. This uneven sales pattern makes prediction of revenue for each financial period difficult and increases the risk of unanticipated variations in quarterly results and financial condition. In addition, our operating results tend to vary seasonally with the markets in which our products are sold. For example, historically, our net revenue has been generally higher in the second half of the year than in the first half of the year, although market conditions and product transitions could impact these trends. Many of the factors that create and affect quarterly and seasonal trends are beyond our control.If we cannot adequately protect our technology or other intellectual property in the United States and abroad, through patents, copyrights, trade secrets, trademarks and other measures, we may lose a competitive advantage and incur significant expenses.We rely on a combination of protections provided by contracts, including confidentiality and nondisclosure agreements, copyrights, patents, trademarks and common law rights, such as trade secrets, to protect our intellectual property. However, we cannot assure you that we will be able to adequately protect our technology or other intellectual property from third-party infringement or from misappropriation in the United States and abroad. Any patent licensed by us or issued to us could be challenged, invalidated, expire, or circumvented or rights granted thereunder may not provide a competitive advantage to us.Furthermore, patent applications that we file may not result in issuance of a patent or, if a patent is issued, the patent may not be issued in a form that is advantageous to us. Despite our efforts to protect our intellectual property rights, others may independently develop similar products, duplicate our products or design around our patents and other rights. In addition, it is difficult to monitor compliance with, and enforce, our intellectual property on a worldwide basis in a cost-effective manner. In jurisdictions where foreign laws provide less intellectual property protection than afforded in the U.S. and abroad, our technology or other intellectual property may be compromised, and our business would be materially adversely affected.Unfavorable currency exchange rate fluctuations could adversely affect us.We have costs, assets and liabilities that are denominated in foreign currencies. As a consequence, movements in exchange rates could cause our foreign currency denominated expenses to increase as a percentage of revenue, affecting our profitability and cash flows. Whenever we believe appropriate, we hedge a portion of our foreign currency exposure to protect against fluctuations in currency exchange rates. We determine our total foreign currency exposure using projections of long-term expenditures for items such as payroll. We cannot assure you that these activities will be effective in reducing foreign exchange rate exposure. Failure to do so could have an adverse effect on our business, financial condition, results of operations and cash flow. In addition, the majority of our product sales are denominated in U.S. dollars. Fluctuations in the exchange rate between the U.S. dollar and the local currency can cause increases or decreases in the cost of our products in the local currency of such customers. An appreciation of the U.S. dollar relative to the local currency could reduce sales of our products.Operational and Technology RisksWe rely on third parties to manufacture our products, and if they are unable to do so on a timely basis in sufficient quantities and using competitive technologies, our business could be materially adversely affected.We utilize third-party wafer foundries to fabricate the silicon wafers for all of our products. We rely on Taiwan Semiconductor Manufacturing Company Limited (TSMC) for the production of all wafers for microprocessor and GPU products at 7 nanometer (nm) or smaller nodes, and we rely primarily on GLOBALFOUNDRIES Inc. (GF) for wafers for microprocessor and GPU products manufactured at process nodes larger than 7 nm. We also utilize TSMC, United Microelectronics Corporation (UMC) and Samsung Electronics Co., Ltd. for our integrated circuits (IC) in the form of programmable logic devices. We also rely on third-party manufacturers to assemble, test, mark and pack (ATMP) our products. Our third-party package assembly partners are responsible for packaging technology used to fabricate our products. It is important to have reliable relationships with all of these third-party manufacturing suppliers to ensure adequate product supply to respond to customer demand.20Table of ContentsWe cannot guarantee that these manufacturers or our other third-party manufacturing suppliers will be able to meet our near-term or long-term manufacturing requirements. If we experience supply constraints from our third-party manufacturing suppliers, we may be required to allocate the reduced quantities of affected products amongst our customers, which could have a material adverse effect on our relationships with these customers and on our financial condition. In addition, if we are unable to meet customer demand due to fluctuating or late supply from our manufacturing suppliers, it could result in lost sales and have a material adverse effect on our business. For example, if TSMC is not able to manufacture wafers for our microprocessor and GPU products at 7 nm or smaller nodes and our newest IC products in sufficient quantities to meet customer demand, it could have a material adverse effect on our business.We do not have long-term commitment contracts with some of our third-party manufacturing suppliers. We obtain many of these manufacturing services on a purchase order basis and these manufacturers are not required to provide us with any specified minimum quantity of product beyond the quantities in an existing purchase order. Accordingly, we depend on these suppliers to allocate to us a portion of their manufacturing capacity sufficient to meet our needs, to produce products of acceptable quality and at acceptable manufacturing yields and to deliver those products to us on a timely basis and at acceptable prices. The manufacturers we use also fabricate wafers and ATMP products for other companies, including certain of our competitors. They could choose to prioritize capacity for other customers, increase the prices that they charge us on short notice, require onerous prepayments, or reduce or eliminate deliveries to us, which could have a material adverse effect on our business. If we overestimate our customer demand or experience a decrease in customer demand, either could result in excess inventory and an increase in our production costs. We are party to a wafer supply agreement with GF where GF will provide a minimum annual capacity allocation to us and set pricing through 2026. If our actual wafer requirements are less than the number of wafers required to meet the applicable annual wafer purchase target, we could have excess inventory or higher inventory unit costs, both of which may adversely impact our gross margin and our results of operations.Other risks associated with our dependence on third-party manufacturers include limited control over delivery schedules, yield, cycle times, quality assurance, price increases, lack of capacity in periods of excess demand, misappropriation of our intellectual property, dependence on several subcontractors, and limited ability to manage inventory and parts. Moreover, if any of our third-party manufacturers (or their subcontractors) suffer any damage to facilities, lose benefits under material agreements, experience power outages, water shortages, or high heat events, lack sufficient capacity to manufacture our products, encounter financial difficulties, are unable to secure necessary raw materials from their suppliers, suffer any other disruption or reduction in efficiency, or experience uncertain environmental, social, atmospheric or natural, economic or political circumstances or conditions, we may encounter supply delays or disruptions. For example, in the first quarter of 2024, we experienced some inventory loss due to an incident at a contract manufacturer. If we are unable to secure sufficient or reliable supply of products, our ability to meet customer demand may be adversely affected and this could materially affect our business.If we transition the production of some of our products to new manufacturers, we may experience delayed product introductions, lower yields or poorer performance of our products. If we experience problems with product quality or are unable to secure sufficient capacity from a particular third-party manufacturer, or if we for other reasons cease utilizing one of those manufacturers, we may be unable to timely secure an alternative supply for any specific product. We could experience significant delays in the shipment of our products if we are required to find alternative third-party manufacturers, which could have a material adverse effect on our business.We are party to two ATMP joint ventures (collectively, the ATMP JVs) with affiliates of Tongfu Microelectronics Co., Ltd. The majority of our ATMP services are provided by the ATMP JVs and there is no guarantee that the ATMP JVs will be able to fulfill our long-term ATMP requirements. If we are unable to meet customer demand due to fluctuating or late supply from the ATMP JVs, it could result in lost sales and have a material adverse effect on our business.21Table of ContentsIf essential equipment, materials, substrates or manufacturing processes are not available to manufacture our products, we could be materially adversely affected.We may purchase equipment, materials and substrates for use by our back-end manufacturing service providers from a number of suppliers and our operations depend upon obtaining deliveries of adequate supplies of equipment and materials of acceptable quality on a timely basis. Our third-party suppliers also depend on the same timely delivery of adequate quantities of equipment and materials of acceptable quality in the manufacture of our products. In addition, as many of our products increase in technical complexity, we rely on our third-party suppliers to update their processes in order to continue meeting our back-end manufacturing needs. Certain equipment and materials that are used in the manufacture of our products are available only from a limited number of suppliers, or in some cases, a sole supplier. We also depend on a limited number of suppliers to provide the majority of certain types of IC packages for our microprocessors, including our APU products. Similarly, certain non-proprietary materials or components such as memory, printed circuit boards (PCBs), interposers, substrates and capacitors used in the manufacture of our products are currently available from only a limited number of suppliers. If we are unable to procure a stable supply of memory, equipment, materials or substrates of acceptable quality on an ongoing basis and at reasonable costs to meet our production requirements, we could experience a shortage in memory, equipment, materials or substrate supply or an increase in production costs, which could have a material adverse effect on our business. We have long-term purchase commitments and prepayment arrangements with some of our suppliers. If the delivery of such supply is delayed or does not occur for any reason, it could materially impact our ability to procure and process the required volume of supply to meet customer demand. Conversely, if we overestimate our customer demand or experience a decrease in customer demand, either because customers cancel orders or choose to purchase from our competitors, it could result in excess inventory and an increase in our production costs, particularly since we have prepayment arrangements with certain suppliers. Because some of the equipment and materials that we and our third-party manufacturers purchase are complex, it is sometimes difficult to substitute one equipment or materials supplier for another. From time to time, suppliers may extend lead times, limit supply or increase prices due to capacity constraints or other factors. Also, some of these materials and components may be subject to rapid changes in price, quality and availability. Interruption of supply or increased demand in the industry could cause shortages and price increases in various essential materials. Dependence on a sole supplier or a limited number of suppliers exacerbates these risks. If we are unable to procure certain of these materials for our back-end manufacturing operations, or our third-party manufacturers are unable to procure materials for manufacturing our products, our business would be materially adversely affected. Failure to achieve expected manufacturing yields for our products could negatively impact our results of operations.Semiconductor manufacturing yields are a result of product design, process technology and packaging technology, which is typically proprietary to the manufacturer, and low yields can result from design failures, packaging technology failures, process technology failures or a combination of some or all of these. Our third-party manufacturers are responsible for the process technologies used to fabricate silicon wafers. If our third-party manufacturers experience manufacturing inefficiencies or encounter disruptions, errors or difficulties during production, we may fail to achieve acceptable yields or we may experience product delivery delays. We cannot be certain that our third-party manufacturers will be able to develop, expand, obtain or successfully implement leading-edge manufacturing process or packaging technologies needed to manufacture future generations of our products profitably or on a timely basis or that our competitors will not develop new technologies, products or processes earlier. Moreover, during periods when our third-party manufacturers are implementing new process or packaging technologies, their manufacturing facilities may not be fully productive. A substantial delay in the technology transitions to smaller process technologies could have a material adverse effect on us, particularly if our competitors transition to more cost effective technologies before us. For example, we are presently focusing our 7 nm and lower product microprocessor and GPU portfolio on TSMCâ€™s processes. If TSMC is not able to manufacture wafers for our products at 7 nm or smaller nodes in sufficient quantities to meet customer demand, it could have a material adverse effect on our business. Moreover, we rely on TSMC, UMC and our other foundries to produce wafers with competitive performance attributes for our IC products. Therefore, the foundries, particularly TSMC which manufactures our newest IC products, must be able to transition to advanced manufacturing process technologies and increased wafer sizes, produce wafers at acceptable yields and deliver them in a timely manner.Any decrease in manufacturing yields could result in an increase in per unit costs, which would adversely impact our gross margin and/or force us to allocate our reduced product supply amongst our customers, which could harm our relationships and reputation with our customers and materially adversely affect our business.22Table of ContentsOur revenue from our semi-custom SoC products is dependent upon our semi-custom SoC products being incorporated into customersâ€™ products and the success of those products.The revenue that we receive from our semi-custom SoC products is in the form of non-recurring engineering fees charged to third parties for design and development services and revenue received in connection with sales of our semi-custom SoC products to these third parties. As a result, our ability to generate revenue from our semi-custom products depends on our ability to secure customers for our semi-custom design pipeline, our customersâ€™ desire to pursue the project and our semi-custom SoC products being incorporated into those customersâ€™ products. Any revenue from sales of our semi-custom SoC products is directly related to sales of the third-partyâ€™s products and reflective of their success in the market. Moreover, we have no control over the marketing efforts of these third parties, and we cannot make any assurances that sales of their products will be successful in current or future years. Consequently, the semi-custom SoC product revenue expected by us may not be fully realized and our operating results may be adversely affected.Our products may be subject to security vulnerabilities that could have a material adverse effect on us.The products that we sell are complex and have been and may in the future be subject to security vulnerabilities that could result in, among other things, the loss, corruption, theft or misuse of confidential data or system performance issues. Our efforts to prevent and address security vulnerabilities may decrease performance, be only partially effective or not successful at all. We may depend on vendors to create mitigations to their technology that we incorporate into our products and they may delay or decline to make such mitigations. We may also depend on third parties, such as customers and end users, to deploy our mitigations alone or as part of their own mitigations, and they may delay, decline or modify the implementation of such mitigations. Our relationships with our customers could be adversely affected as some of our customers may stop purchasing our products, reduce or delay future purchases of our products, or use competing products. Any of these actions by our customers could adversely affect our revenue. We have and may in the future be subject to claims and litigation related to security vulnerabilities. Actual or perceived security vulnerabilities of our products may subject us to adverse publicity, damage to our brand and reputation, and could materially harm our business or results of operations.IT outages, data loss, data breaches and cyberattacks could disrupt operations and compromise our intellectual property or other sensitive information, be costly to remediate or cause significant damage to our business, reputation, financial condition and results of operations.Our business relies on technology hardware, software, cloud services, infrastructure, networks and systems (collectively, IT Systems). We own and manage some IT Systems but also rely on critical third-party IT Systems, products and services. In the ordinary course of business, we and various third-party providers and business partners process and maintain sensitive data, including personal information about workers, customers and others, as well as intellectual property and proprietary or confidential information relating to our business and that of our customers and business partners (collectively, Confidential Data). Maintaining the availability, integrity and security of our IT Systems and Confidential Data is critical to our business and reputation. While we and others have implemented various controls and defenses, AMD and companies like AMD and our vendors and customers have been and are increasingly subject to cybersecurity attacks, risks and threats. Threat factors range in sophistication from individual hackers and insiders to ransom gangs and state-sponsored attackers. Cyber threats may be generic, or they may be custom-crafted against our IT Systems or supply chain. The increased prevalence of remote working arrangements at AMD and our providers present additional operational risks and attack vectors to our IT Systems. Our IT Systems and Confidential Data are vulnerable to a range of cybersecurity risks and threats, including malicious code that is added to widely available open-source software, compromised commercial software or security vulnerabilities in our products or systems, or those of a third party, that are being used by attackers prior to mitigations being put in place, such as zero-day attacks. Cyberattacks have and may come into our IT Systems through the compromise of usersâ€™ access credentials. Usersâ€™ access credentials can be compromised by phishing, vishing, smishing, multi-factor authentication (MFA) prompt bombing, hacking, or other social engineering, cybersecurity, or theft activities. 23Table of ContentsThreat actors are also increasingly using tools and techniques that circumvent controls, evade detection, and remove forensic evidence, which means that we and others may be unable to implement adequate preventative measures against, anticipate, detect, deflect, contain or recover from cyberattacks in a timely or effective manner. As AI capabilities improve and are increasingly adopted, we may see more sophisticated threats created through the use of AI technology to launch more automated, targeted and coordinated cyberattacks. These attacks could be crafted with an AI tool to directly attack IT Systems with increased speed and/or efficiency than a human threat actor or create more effective phishing emails. In addition, the threat could be introduced from the result of our or our customers and business partners incorporating the output of an AI tool that includes a threat, such as introducing malicious code by incorporating AI generated source code. Our network and storage applications, as well as those of our customers, business partners, and third-party providers, may be subject to unauthorized access by hackers or breached due to operator error, malfeasance or other system disruptions.Cyberattacks that breach our security measures, or those of our third-party service providers, customers or business partners, could result in any or all of the following, which individually or collectively could materially adversely affect our financial condition, our competitive position; unauthorized access to, misuse or disclosure of Confidential Data (such as intellectual property, sensitive business information or personally identifiable information (PII)); reputational harm and/or diminution in our competitiveness; loss of existing and/or future customers; litigation and/or regulatory investigations or enforcement; significant remediation, restoration and compliance costs; and the diversion of managementâ€™s attention and key information technology resources. In addition, many governments have enacted and are continuing to enact strict privacy and security laws, such as the UKâ€™s and European Unionâ€™s General Data Protection Regulation (GDPR) and the California Consumer Privacy Act of 2018 (CCPA), as amended by the California Privacy Rights Act (CPRA), which provide for fines, penalties, and in the case of the CCPA and similar legislation, the basis for private claims for certain types of data breaches. We anticipate ongoing and increasing costs related to enhancing and implementing information security controls, including costs related to upgrading application, computer, and network security components; training workers to maintain and monitor our security controls; investigating, responding to and remediating any data security breach, and addressing any related litigation or regulatory proceedings; mitigating reputational harm; and complying with external regulations. Uncertainties involving the ordering and shipment of our products could materially adversely affect us.We typically sell our products pursuant to individual purchase orders. We generally do not have long-term supply arrangements with our customers or minimum purchase requirements except that orders generally must be for standard pack quantities. Generally, our customers may cancel orders for standard products more than 30 days prior to shipment without incurring significant fees. We base our inventory levels in part on customersâ€™ estimates of demand for their products, which may not accurately predict the quantity or type of our products that our customers will want in the future or ultimately end up purchasing. Our ability to forecast demand is further complicated when our products are sold indirectly through downstream channel distributors and customers, as our forecasts for demand are then based on estimates provided by multiple parties throughout the downstream channel. To the extent we fail to forecast demand and product mix accurately or are unable to increase production or secure sufficient capacity and there is a mismatch between supply and demand for our products, it could limit our ability to meet customer demand and have a material adverse effect on our business. Many of our markets are characterized by short product lifecycles, which can lead to rapid obsolescence and price erosion. In addition, our customers may change their inventory practices on short notice for any reason. For example, our Embedded segment revenue decreased in 2024 as customers continued to normalize their inventory levels. We may build inventories during periods of anticipated growth, and the cancellation or deferral of product orders or overproduction due to failure of anticipated orders to materialize could result in excess or obsolete inventory, which could result in write-downs of inventory and an adverse effect on gross margins. Our customers may also experience a shortage of, or delay in receiving certain components to build their products, which in turn may affect the demand for or the timing of our products. Excess or obsolete inventory have resulted in, and may in the future result in, write-downs of the value of our inventory. Factors that may result in excess or obsolete inventory, a reduction in the average selling price, or a reduction in our gross margin include: a sudden or significant decrease in demand for our products; a production or design defect in our products; a higher incidence of inventory obsolescence because of rapidly changing technology and customer requirements; a failure to accurately estimate customer demand for our products, including for our older products as our new products are introduced; or our competitors introducing new products or taking aggressive pricing actions. 24Table of ContentsOur ability to design and introduce new products in a timely manner includes the use of third-party intellectual property.In the design and development of new and enhanced products, we rely on third-party intellectual property such as development and testing tools for software and hardware. Furthermore, certain product features may rely on intellectual property acquired from third parties that we incorporate into our software or hardware. The design requirements necessary to meet customer demand for more features and greater functionality from semiconductor products may exceed the capabilities of the third-party intellectual property or development or testing tools available to us. If the third-party intellectual property that we use becomes unavailable, is not available with required functionality or performance in the time frame, manufacturing technology, or price point needed for our new products or fails to produce designs that meet customer demands, or laws are adopted that affect our use of third party intellectual property in certain regions or products, our business could be materially adversely affected.We depend on third-party companies for the design, manufacture and supply of motherboards, software, memory and other computer platform components to support our business and products.We depend on third-party companies for the design, manufacture and supply of motherboards, graphics cards, software (e.g., BIOS, operating systems, drivers, AI models or tools), memory and other components that we use to design, support and sell, and our customers utilize to support and/or use our product offerings. We also rely on our AIB partners to support our products. In addition, our microprocessors are not designed to function with motherboards and chipsets designed to work with Intel microprocessors. If the designers, manufacturers, AIBs and suppliers of motherboards, graphics cards, software, memory and other components cease or reduce their design, manufacture or production of current or future products that are based on, utilized in, or support our products, or laws are adopted that result in the same, our business could be materially adversely affected.If we lose Microsoft Corporationâ€™s support for our products or other software vendors do not design and develop software to run on our products, our ability to sell our products could be materially adversely affected.Our ability to innovate beyond the x86 instruction set controlled by Intel depends partially on Microsoft designing and developing its operating systems to run on or support our x86-based microprocessor products. With respect to our graphics products, we depend in part on Microsoft to design and develop its operating system to run on or support our graphics products. Similarly, the success of our products in the market, such as our APU products, is dependent on independent software providers designing and developing software to run on our products. If Microsoft does not continue to design and develop its operating systems so that they work with our x86 instruction sets or does not continue to develop and maintain their operating systems to support our graphics products, independent software providers may forego designing their software applications to take advantage of our innovations and customers may not purchase PCs with our products. In addition, some software drivers licensed for use with our products are certified by Microsoft. If Microsoft did not certify a driver, or if we otherwise fail to retain the support of Microsoft or other software vendors, our ability to market our products would be materially adversely affected.Our reliance on third-party distributors and AIB partners subjects us to certain risks.We market and sell our products directly and through third-party distributors and AIB partners pursuant to agreements that can generally be terminated for convenience by either party upon prior notice. These agreements are non-exclusive and permit both our distributors and AIB partners to offer our competitorsâ€™ products. We are dependent on our distributors and AIB partners to supplement our direct marketing and sales efforts. If any significant distributor or AIB partner or a substantial number of our distributors or AIB partners terminated their relationship with us, decided to market our competitorsâ€™ products over our products or decided not to market our products at all, our ability to bring our products to market would be impacted and we would be materially adversely affected. We extend credit to certain of our distributors and AIB partners. If we are unable to collect accounts receivable from our significant distributors and/or AIB partners or incur higher allowances for credit losses, it could have a material adverse effect on our business. If we are unable to manage the risks related to the use of our third-party distributors and AIB partners or offer appropriate incentives to focus them on the sale of our products, our business could be materially adversely affected.25Table of ContentsAdditionally, distributors and AIB partners typically maintain an inventory of our products. In most instances, our agreements with distributors protect their inventory of our products against price reductions, as well as provide return rights for any product that we have removed from our price book that is less than 12 months older than the manufacturing date. Some agreements with our distributors also contain standard stock rotation provisions permitting limited levels of product returns. Our agreements with AIB partners protect their inventory of our products against price reductions. In the event of a significant decline in the price of our products, the price protection rights we offer would materially adversely affect us because our revenue and corresponding gross margin would decline.Our business depends on the proper functioning of our internal business processes and information systems and modification or interruption of such systems may disrupt our business, processes and internal controls.We rely upon a number of internal business processes and information systems to support key business functions, and the efficient operation of these processes and systems is critical to our business. Our business processes and information systems need to be sufficiently scalable to support the growth of our business and may require modifications or upgrades that expose us to a number of operational risks. As such, our information systems will continually evolve and adapt in order to meet our business needs. These changes may be costly and disruptive to our operations and could impose substantial demands on management time.These changes may also require changes in our information systems, modification of internal control procedures and significant training of employees and third-party resources. We continuously work on simplifying our information systems and applications through consolidation and standardization efforts. There can be no assurance that our business and operations will not experience any disruption in connection with this transition. Our information technology systems, and those of third-party information technology providers or business partners, may also be vulnerable to damage or disruption caused by circumstances beyond our control including catastrophic events, power anomalies or outages, natural disasters, viruses or malware, cyberattacks, insider threat attacks, unauthorized system or data modifications, data breaches and computer system or network failures, exposing us to significant cost, reputational harm and disruption or damage to our business.In addition, as our IT environment continues to evolve, we are embracing new ways of communicating and sharing data internally and externally with customers and partners using methods such as mobility and the cloud that can promote business efficiency. However, these practices can also result in a more distributed IT environment, making it more difficult for us to maintain visibility and control over internal and external users, and meet scalability and administrative requirements. If our security controls cannot keep pace with the speed of these changes or if we are not able to meet regulatory and compliance requirements, our business would be materially adversely affected.If our products are not compatible with some or all industry-standard software and hardware, we could be materially adversely affected.Our products may not be fully compatible with some or all industry-standard software and hardware. Further, we may be unsuccessful in correcting any such compatibility problems in a timely manner. If our customers are unable to achieve compatibility with software or hardware, we could be materially adversely affected. In addition, the mere announcement of an incompatibility problem relating to our products could have a material adverse effect on our business.Costs related to defective products could have a material adverse effect on us.Products as complex as those we offer may contain defects or failures when first introduced or when new versions or enhancements to existing products are released. We cannot assure you that, despite our testing procedures, errors will not be found in new products or releases after commencement of commercial shipments in the future, which could result in loss of or delay in market acceptance of our products, material recall and replacement costs, loss of revenue, writing down the inventory of defective products, the diversion of the attention of our engineering personnel from product development efforts, defending against litigation related to defective products or related liabilities, including property damage, personal injury, damage to our reputation in the industry and loss of data or intangible property, and could adversely affect our relationships with our customers. In addition, we may have difficulty identifying the end customers of the defective products in the field. As a result, we could incur substantial costs to implement modifications to correct defects. Any of these problems could materially adversely affect our business.26Table of ContentsWe could be subject to potential product liability claims if one of our products causes, or merely appears to have caused, an injury, whether tangible or intangible. Claims may be made by consumers or others selling our products, and we may be subject to claims against us even if an alleged injury is due to the actions of others. A product liability claim, recall or other claim with respect to uninsured liabilities or for amounts in excess of insured liabilities could have a material adverse effect on our business.If we fail to maintain the efficiency of our supply chain as we respond to changes in customer demand for our products, our business could be materially adversely affected.Our ability to meet customer demand for our products depends, in part, on our ability to deliver the products our customers want on a timely basis. Accordingly, we rely on our supply chain for the manufacturing, distribution and fulfillment of our products. As we continue to grow our business, expand to high-growth adjacent markets, acquire new customers and strengthen relationships with existing customers, the efficiency of our supply chain will become increasingly important because many of our customers tend to have specific requirements for particular products, geographic requirements, and specific time-frames in which they require delivery of these products. If we are unable to consistently deliver the right products to our customers on a timely basis in the right locations, our customers may reduce the quantities they order from us, which could have a material adverse effect on our business.We outsource to third parties certain supply-chain logistics functions, including portions of our product distribution, transportation management and information technology support services.We rely on third-party providers to operate our regional product distribution centers and to manage the transportation of our work-in-process and finished products among our facilities, to our third-party manufacturers and to our customers. In addition, we rely on third parties to provide certain information technology services to us, including help desk support, desktop application services, business and software support applications, server and storage administration, data center operations, database administration and voice, video and remote access. We cannot guarantee that these providers will fulfill their respective responsibilities in a timely manner in accordance with the contract terms, in which case our internal operations and the distribution of our products to our customers could be materially adversely affected. Also, we cannot guarantee that our contracts with these third-party providers will be renewed, in which case we would have to transition these functions in-house or secure new providers, which could have a material adverse effect on our business if the transition is not executed appropriately.Our inability to effectively control the sales of our products on the gray market could have a material adverse effect on us.We market and sell our products directly to OEMs and through authorized third-party distributors. From time to time, our products are diverted from our authorized distribution channels and are sold on the â€œgray market.â€ Our inability to control gray market activities could result in customer satisfaction issues because any time products are purchased outside our authorized distribution channels there is a risk that our customers are buying counterfeit or substandard products, including products that may have been altered, mishandled or damaged, or are used products represented as new. Additionally, products acquired on the gray market or through other unauthorized channels are at higher risk of being re-sold to prohibited end-users, misused, and deployed for uses that do not align with AMDâ€™s ethics, values or compliance standards. Gray market products result in shadow inventory that is not visible to us, making it difficult to forecast demand accurately. Also, when gray market products enter the market, we and our distribution channels compete with these heavily discounted gray market products, which adversely affects demand for our products and negatively impacts our margins.27Table of ContentsClimate change may have a long-term impact on our business.Climate change may have an adverse impact on our business and the business of our suppliers and customers. Global climate change may result in certain natural disasters and climate-related events occurring with increasing frequency and severity and its physical impact on the major regions where we have operations has the potential to disrupt our business and those of our customers and suppliers. Our headquarters and some of our operations and facilities are located in areas that are susceptible to earthquakes and tsunamis, wildfires, extreme storms, extreme heat, drought, freezing, tropical cyclones and other natural disasters. Water and energy availability and reliability in the regions where we have facilities and where our suppliers have operations is important to our business. Certain natural disasters, including drought, wildfires, storms, sea-level rise and flooding could disrupt our operations and our suppliersâ€™ or customersâ€™ operations, including by disrupting, the availability of energy or water necessary for the operations of our business or those of our suppliers and customers. Global climate change is also resulting in chronic changes that result in certain natural disasters occurring more frequently or with greater intensity, which could disrupt our operations, or the operations of our third parties. Such disruptions could cause delays in manufacturing or shipping our products, affect our supply chain and may result in the loss of business, and additional costs to maintain or resume operations, any of which could adversely affect our business and results of operation. We may also experience contractual disputes relating to supply chain delays resulting from climate change related disruptions, which could result in increased litigation and costs. Data centers depend on access to clean water and reliable energy, thus potential power or water shortages could impair our customersâ€™ ability to expand their data center capacity and consume our products and services, which in turn could adversely impact our ability to generate revenue.Although we maintain insurance coverage for a variety of property, casualty, and other risks, the types and amounts of insurance we obtain vary depending on coverage, availability and cost. Some of our policies have large deductibles and broad exclusions. Additionally, our insurance providers may be unable or unwilling to pay a claim. Losses not covered by insurance may be large, which could materially harm our results of operations and financial condition.Our business and the business of our suppliers and customers may also be subject to climate-related regulations, and contract terms, and may be subject to additional regulations and contract terms and lawsuits in the future. New increased regulations regarding carbon taxes, greenhouse gas emissions, fuel or energy taxes and other climate-related risks will likely result in greater costs; for example, as a result of carbon pricing impacts on electrical utilities and/or necessitating that we purchase more renewable energy than otherwise planned. Our supply chain manufacturing suppliers may be exposed to increased costs of doing business should they be affected by new climate-related expectations such as those affecting abatement equipment, renewable energy, and/or alter production processes and materials selections. The additional compliance costs incurred by our suppliers may be passed on to us and result in greater indirect costs to us. These costs and restrictions could materially harm our business and results of operations by increasing our expenses, impacting our reputation if there is actual or perceived non-compliance, or requiring us to alter our operations and products. The long-term effects of climate change on the global economy and the technology industry are unclear but could be severe. Additionally, we are or expect to be subject to various new or proposed climate-related disclosure requirements and we expect to incur costs and resources in order to comply. Failure to accurately comply with such reporting obligations may result in enforcement actions, reputational harm or private litigation that could have a material adverse effect on us.Legal and Regulatory RisksGovernment actions and regulations such as export regulations, tariffs, and trade protection measures may limit our ability to export our products to certain customers. We have equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third-party Chinese entity. In June 2019, the Bureau of Industry and Security (BIS) of the United States Department of Commerce added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. Since that time, the United States administration has called for changes to domestic and foreign policy, including policies with respect to China and Russia. Specifically, United States-China trade relations remain uncertain as the United States continues to add more Chinese companies to the Entity List and more regulations targeted to advanced computing, semiconductor manufacturing, and emerging technologies such as AI. Further, the United States and other countries and coalitions have issued sanctions and revisions to export control and other regulations against Russia, Belarus and the DNR and LNR regions of Ukraine, due to the conflict in Ukraine. 28Table of ContentsIn October 2023, BIS issued new requirements for certain advanced computing items that apply to the export of products classified ECCN 3A090 or 4A090 to a party headquartered in, or with an ultimate parent headquartered in, any of Country Groups D1, D4 or D5, including China. These controls prevent us from shipping certain AMD Instinctâ„¢ integrated circuits and certain AMD Versalâ„¢ FPGAs to China, or to customers outside of the United States whose ultimate parent is headquartered in a D5 country (including China), without a license. These controls also require us to file a Notified Advanced Computing (NAC) notification with BIS 25 days before shipping certain Versal FPGAs to China, or to customers outside of the United States whose ultimate parent is headquartered in a D5 country (including China). The NAC notification process could result in BIS prohibiting a shipment or requiring a license application before shipping a product that is the subject of a NAC notification. BIS may issue new licensing requirements and regulatory controls in the future. Even new products that fall below the licensing thresholds may not be successful because we have no assurances BIS will agree that the alternative products are not subject to the new licensing requirements or that future regulations will not control the alternative products. A significant trade disruption or the establishment or increase of any tariffs, trade protection measures or restrictions, or retaliatory actions from foreign governments could result in lost sales adversely impacting our reputation and business. There is also a possibility of future tariffs, trade protection measures, import or export regulations or other restrictions imposed on our current and future products, customers, or suppliers by the United States, China or other countries that could have a material adverse effect on our business. New export control restrictions may adversely impact the ability of our research and development teams located outside of the United States from executing our product roadmaps in a timely manner or at all. In addition, deemed export restrictions could further affect our ability to provide services or develop products in the United States.United States export control regulations include restrictions or prohibitions on the sale or supply of certain AI technologies to United States embargoed or sanctioned countries, governments, persons and entities. If there are changes to those regulations, or to the categorization of our products under those regulations, our ability to sell our products and services outside the United States may be harmed. The United States and its allies continue to focus on export restrictions targeting semiconductors associated with AI, including GPUs and associated products and services. The United States has imposed unilateral controls restricting GPUs and associated products, and in the future is likely to further adopt other unilateral or multilateral controls. The scope and application of such controls have been and may again be very broad, which may prohibit us from exporting or providing access to our products to any or all customers in one or more markets, including but not limited to China, and could negatively impact our manufacturing, testing and warehousing locations, or could impose other conditions that limit our ability to meet demand abroad. If these export controls targeting semiconductors associated with AI including GPUs and associated products and services are further tightened, our ability to export our technology, products or services could be further restricted. We may be at a competitive disadvantage if our competitors are not subject to the same or similar restrictions. Additionally, such export controls have, and may in the future, subject downstream recipients of our products to additional restrictions on the use, resale, repair or transfer of our products and may have a material adverse effect on us. We may, from time to time, receive technical data from third parties that is subject to the International Traffic and Arms Regulations (ITAR), which are administered by the U.S. Department of State. Export Administration Regulation (EAR) governs the export and re-export of certain AMD products, including FPGAs, as well as the transfer of related technologies or provision of services, whether in the U.S. or abroad. We are required to maintain an internal compliance program and security infrastructure to meet EAR and ITAR requirements. An inability to obtain the required export licenses, or to predict when or pursuant to which conditions they will be granted, increases the difficulties of forecasting shipments. When we file license applications or Notification Advanced Computing (NAC) exception notices we have no assurance that BIS will grant any exemptions or licenses or that the BIS will act on the filings in a timely manner. Even if BIS grants a requested license, the license may come with burdensome conditions that we cannot or decide not to fulfill. In addition, security or compliance program failures that could result in penalties or a loss of export privileges, as well as stringent licensing restrictions that may make our products less attractive to overseas customers, could have a material adverse effect on our business, financial condition and/or operating results. If we cannot realize our deferred tax assets, our results of operations could be adversely affected.Our deferred tax assets include net operating losses and tax credit carryforwards that can be used to offset taxable income and reduce income taxes payable in future periods. Each quarter, we consider both positive and negative evidence to determine whether all or a portion of the deferred tax assets are more likely than not to be realized. If we determine that some or all of our deferred tax assets are not realizable, it could result in a material expense in the period in which this determination is made which may have a material adverse effect on our financial condition and results of operations.29Table of ContentsIn addition, a significant amount of our deferred tax assets related to net operating losses or tax credits which remain under a valuation allowance could be subject to limitations under Internal Revenue Code Section 382 or 383, separate return loss year rules, or dual consolidated loss rules. The limitations could reduce our ability to utilize the net operating losses or tax credits before the expiration of the tax attributes.Our business is subject to potential tax liabilities, and exposure to greater-than-anticipated income tax liabilities as a result of changes in tax rules and regulations, changes in interpretation of tax rules and regulations, or unfavorable assessments from tax audits, could affect our effective tax rates, financial condition, and results of operations.We are a U.S.-based multinational company subject to income tax, indirect tax or other tax claims in multiple U.S. and foreign tax jurisdictions in which we conduct business. Significant judgment is required in determining our worldwide provision for income taxes. Tax laws are dynamic and subject to change as new laws are passed and new interpretations of the law are issued or applied. Any changes to tax laws could have a material adverse effect on our tax obligations and effective tax rate. Our income tax obligations could be affected by many factors, including, but not limited to, changes to our corporate operating structure, intercompany arrangements, and tax planning strategies.Our income tax expense is computed based on tax rates enacted at the time of the respective financial period. Our future effective tax rates, financial condition and results from operations could be unfavorably affected by changes in the tax rates in jurisdictions where our income is earned, by changes in the tax rules and regulations or the interpretation of tax rules and regulations in the jurisdictions in which we do business or by changes in the valuation of our deferred tax assets. Many countries have implemented legislation and other guidance to align their international tax rules with the Organization for Economic Co-operation and Developmentâ€™s (OECD) Base Erosion and Profit Shifting recommendations and action plan that aim to standardize and modernize global corporate tax policy, including changes to cross-border tax, transfer pricing documentation rules, and nexus-based tax incentive practices. The OECD is also continuing discussions surrounding fundamental changes in allocation of profits among tax jurisdictions in which companies do business, as well as the implementation of a global minimum tax (namely â€œPillar Oneâ€ and â€œPillar Twoâ€). Many countries we do business in have implemented laws based on Pillar Two, which may materially adversely impact our provision for income taxes, net income and cash flows. As a result of this heightened scrutiny, prior decisions by tax authorities regarding treatments and positions of corporate income taxes could be subject to review and inquiry, which could also result in changes in tax policies or existing tax rulings, and may have a material adverse effect on us.In addition, we are subject to examinations of our income tax returns by domestic and foreign tax authorities. We regularly assess the likelihood of outcomes resulting from these examinations to determine the adequacy of our provision for income taxes and have reserved for potential adjustments that may result from the current examinations. There can be no assurance that the final determination of any of these examinations will not have an adverse effect on our effective tax rates, financial condition, and results of operations.In the ordinary course of our business, there are many transactions and calculations where the ultimate income tax, indirect tax, or other tax determination is uncertain. Although we believe our tax estimates are reasonable, we cannot assure that the final determination of any tax audits or litigation will not be materially different from that which is reflected in historical tax provisions and accruals. Should additional taxes be assessed as a result of an audit, assessment or litigation, there could be a material adverse effect on our cash, tax provisions and results of operations in the period or periods for which that determination is made.We are party to litigation and may become a party to other claims or litigation that could cause us to incur substantial costs or pay substantial damages or prohibit us from selling our products.From time to time, we are a defendant or plaintiff in various legal actions, as described in Note 18 - Contingencies of the Notes to our Consolidated Financial Statements. For example, we have been subject to certain claims concerning federal securities laws and corporate governance. Our products are purchased by and/or used by consumers, which could increase our exposure to consumer actions such as product liability claims and consumer class action claims. On occasion, we receive claims that individuals were allegedly exposed to substances used in our former semiconductor wafer manufacturing facilities and that this alleged exposure caused harm. Litigation can involve complex factual and legal questions, and its outcome is uncertain. It is possible that if a claim is successfully asserted against us, it could result in the payment of damages that could be material to our business.30Table of ContentsWith respect to intellectual property litigation, from time to time, we have been notified of, or third parties may bring or have brought, actions against us and/or against our customers based on allegations that we are infringing the intellectual property rights of others, contributing to or inducing the infringement of the intellectual property rights of others, improperly claiming ownership of intellectual property or otherwise improperly using the intellectual property of others. If any such claims are asserted, we may seek to obtain a license under the third partiesâ€™ intellectual property rights. We cannot assure you that we will be able to obtain all of the necessary licenses on satisfactory terms, if at all. These parties may file lawsuits against us or our customers seeking damages (potentially up to and including treble damages) or an injunction against the sale of products that incorporate allegedly infringed intellectual property or against the operation of our business as presently conducted, which could result in our having to stop the sale of some of our products or to increase the costs of selling some of our products or which could damage our reputation. The award of damages, including material royalty payments, or other types of damages, or the entry of an injunction against the manufacture and sale of some or all of our products could have a material adverse effect on us. We could decide, in the alternative, to redesign our products or to resort to litigation to challenge such claims. Such challenges could be extremely expensive and time-consuming regardless of their merit, could cause delays in product release or shipment and/or could have a material adverse effect on us. We cannot assure you that litigation related to our intellectual property rights or the intellectual property rights of others can always be avoided or successfully concluded.Even if we were to prevail, any litigation could be costly and time-consuming and would divert the attention of our management and key personnel from our business operations, which could have a material adverse effect on us.We are subject to environmental laws, conflict minerals regulations, as well as a variety of other laws or regulations that could result in additional costs and liabilities.Our operations and properties are subject to various United States and foreign laws and regulations, including those relating to materials used in our products and the manufacturing processes of our products, discharge of pollutants into the environment, the treatment, transport, storage and disposal of solid and hazardous wastes and remediation of contamination. In addition, our operations and those of our suppliers are further governed by regulations prohibiting the use of forced labor (e.g., mining conflict materials), and restrictions on other materials, as well as laws or regulations governing the operation of our facilities, sale and distribution of our products, and real property. For the manufacturing of our products, these laws and regulations require our suppliers to obtain permits for operations, including the discharge of air pollutants and wastewater. Although our management systems are designed to oversee our suppliersâ€™ compliance, we cannot assure you that our suppliers have been or will be in complete compliance with such laws, regulations and permits. If our suppliers violate or fail to comply with any of them, a range of consequences could result, including fines, suspension of production, alteration of manufacturing processes, import/export restrictions, sales limitations, criminal and civil liabilities or other sanctions. Such non-compliance from our manufacturing suppliers could result in disruptions in supply, higher sourcing costs, and/or reputational damage for us. We could also be held liable for any and all consequences arising out of exposure to hazardous materials used, stored, released, disposed of by us or located at, under or emanating from our current or former facilities or other environmental or natural resource damage. We have been named as a responsible party at three Superfund sites in Sunnyvale, California and we are subject to Final Site Clean-up Requirements Orders from the California Regional Water Quality Control Board relating to the three sites and we have entered into settlement agreements with other responsible parties on two of the orders. During the term of such agreements, other parties have agreed to assume most of the foreseeable costs as well as the primary role in conducting remediation activities under the orders. We remain responsible for additional costs beyond the scope of the agreements as well as all remaining costs in the event that the other parties do not fulfill their obligations under the settlement agreements. The progress of future remediation efforts cannot be predicted with certainty and these costs may change. Although we have not been, we could be named a potentially responsible party at other Superfund or contaminated sites in the future. In addition, contamination that has not been identified could exist at our other facilities. Future environmental legal requirements may become more stringent or costly. As such, the costs of complying with current and future environmental and health and safety laws, and our liabilities arising from past and future releases of, or exposure to, hazardous substances may increase and could have a material adverse effect on us.31Table of ContentsEnvironmental laws are complex, change frequently and tend to become more stringent over time. For example, the European Union (EU) and China are among a growing number of jurisdictions that have enacted restrictions on the use of lead and other materials in electronic products. These regulations affect semiconductor devices and packaging. As regulations restricting materials in electronic products continue to increase around the world, there is a risk that the cost, quality and manufacturing yields of products that are subject to these restrictions may be less favorable compared to products that are not subject to such restrictions, or that the transition to compliant products may not meet customer roadmaps, or produce sudden changes in demand, which may result in excess inventory. Jurisdictions including the EU, Australia, California and China are developing or have finalized market entry or public procurement regulations for computers and servers based on ENERGY STAR specifications, and the like, as well as additional energy consumption limits. Certain of our products may be excluded from some of these markets which could materially adversely affect us. We incur costs associated with complying with conflict minerals reporting requirements to our customers and the SEC. In addition to the SEC regulation, the EU, China and other jurisdictions are developing new policies focused on conflict minerals that may impact and increase the cost of our compliance program. Customers are increasingly seeking information about the source of minerals used in our supply chain beyond those addressed in laws and regulations. Given the complexity of mineral supply chains, we may be unable to sufficiently verify the origins of the subject minerals and thus our reputation may be harmed. Moreover, we are likely to encounter challenges to satisfy customers who require that all of the components of our products be certified as â€œconflict free.â€ If we cannot satisfy these customers, they may choose a competitorâ€™s products. In addition, new or increased regulations limiting the use of such components, or regulation regarding greenhouse gas emissions and climate change-related risks, could increase our energy costs, for example as a result of carbon pricing impacts on electrical utilities and/or necessitating that we purchase more renewable energy than otherwise planned. Our supply chain manufacturing suppliers may be exposed to increased cost of doing business should they be affected by new climate-related regulations, for example, affecting abatement equipment, renewable energy, and/or alter production processes and materials selections.In addition to our Company, customers, governments and authorities continue to focus on eliminating risks of forced labor in supply chains which may increase the cost of our compliance program. Several customers have also issued expectations to eliminate these occurrences, if any, that may impact us. While we have a Human Rights Policy and management systems to identify and avoid these practices in our supply chain, we cannot guarantee that our suppliers will always be in conformance with laws and expectations. Our failure to satisfy customer expectations on forced and trafficked labor policies may result in these customers choosing a competitorâ€™s product or enforcement liability and reputational challenges.In addition, many governments have enacted laws around PII, such as the GDPR and the CCPA, and the failure to comply could result in sanctions or other actions by the governments. The GDPR imposes significant requirements on how we collect, process and transfer personal data, as well as significant fines for non-compliance.New emerging technology trends, such as AI, require us to keep pace with evolving regulations and industry standards. Given the complexity and rapid development of AI, there are various current and proposed regulatory frameworks relating to the use of AI in products and services. For example, the EU AI Act was adopted in 2024 and its implementation will be phased in over the next few years. In other jurisdictions, similar legislation is being considered. Such laws and regulations may impede our ability to offer certain products and services in certain jurisdictions if we are unable to comply with them. We expect that the legal and regulatory environment relating to emerging technologies such as AI will continue to develop and could increase the cost of doing business, and create compliance risks and potential liability, all which may have a material adverse effect on our financial condition and results of operations. Governments are also considering the new issues in intellectual property law that AI creates, which could result in different intellectual property rights in technology we create with AI and development processes and procedures and could have a material adverse effect on our business. 32Table of ContentsEvolving expectations from governments, investors, customers and other stakeholders regarding corporate responsibility matters could result in additional costs, harm to our reputation and a loss of customers.There are evolving expectations from governments, investors, customers and other stakeholders regarding corporate responsibility matters including those involving the environment and climate, energy and water consumption, diversity and inclusion, human rights and cybersecurity. Additionally, we are and expect to continue to be subject to various new and proposed climate-related and sustainability laws and requirements that may impact how we and our suppliers and customers conduct business or report on business by requiring the disclosure and tracking of greenhouse gas emissions, climate change-related risks and other sustainability matters related to our business. As the nature, scope and complexity of corporate responsibility reporting and disclosure requirements continue to evolve, we may incur additional compliance costs and indirect compliance costs from our customers and, suppliers that are passed on to us. In addition, certain corporate responsibility laws and regulations may require us to modify our business or supply chain in ways that are costly or less efficient. Emerging legal and regulatory requirements in the various jurisdictions in which we operate, can be unpredictable, are subject to change, and may be difficult for us to comply with given the complexity of our supply chain and our outsourced manufacturing. For example, the state of California has passed reporting requirements that will require corporations to report on climate data and these laws include data assurance requirements that entail third-party verifications. Our failure to comply, or the appearance of our failure to comply, with these legal and regulatory requirements can result in regulatory penalties, fines and legal liabilities, increase costs, and harm our reputation â€“ any of which could materially adversely affect our business, financial condition and results of operation. While we have engaged, and in the future may continue to engage, in voluntary initiatives (such as voluntary disclosures, certifications, goals, or targets, among others) or commitments to improve our corporate responsibility profile and/or products or to respond to stakeholder expectations, such initiatives or achievement of such commitments may be costly, may not have the desired effect or may impact our reputation with other stakeholders and have a material adverse effect on our business. For example, we have publicly announced certain corporate responsibility goals spanning multiple topics informed by input from various of our stakeholders, including customers, investors and employees. These goals, which reflect our current plans and aspirations based on known conditions, may change in the future or may not be achieved, as they are subject to various challenges, risks and expectations such as standards, processes, and methodologies that continue to evolve or emerge, and many of these matters are outside our control. Our progress towards some goals receives third-party limited assurance and not reasonable assurance, or rely on receipt of othersâ€™ information and data that may not be subject to either third-party limited or reasonable assurance. Any failure to achieve such goals, failure to achieve these goals within the set timeframe, or in the means expected, or the perception by stakeholders of such failure to achieve these goals may result in reputational or financial harm. Simultaneously, there are efforts by some stakeholders to reduce companiesâ€™ efforts on certain environmental, social and sustainability-related matters. Both advocates and opponents of environmental, social and sustainability matters are increasingly resorting to a range of activism forms, including media campaigns and litigation, to advance their perspectives. To the extent we are subject to such activism or litigation, it may require us to incur costs or otherwise adversely impact our business. Stakeholder groups may find our stated goals to be insufficiently responsive to the implications of issues, such as climate change, and any failure to set or achieve corporate responsibility initiatives that meet stakeholder expectations may result in loss of customers or in investors selling their shares, which could harm our reputation and could have a material adverse effect on our business.

Issues related to the responsible use of AI may result in reputational, competitive and financial harm and liability.We offer products that include capabilities to support AI deployment and we expect this part of our business to grow. As with many new emerging technologies, AI presents risks and challenges and increasing legal, social and ethical concerns relating to its responsible use that could affect the adoption of AI, and thus our business. Third-party misuse of AI applications, models, or solutions, or ineffective or inadequate AI development or deployment practices by us or our customers, could cause harm to individuals or society and impair the publicâ€™s acceptance of AI. Moreover, we may be subject to competitive harm, regulatory action and legal liability as a result of new and proposed legislation regulating AI, as well as new applications of existing data protection, privacy and intellectual property and other laws. Such regulations and changes thereto could cause us to incur greater compliance costs, could impact our ability to sell or the ability of our customers and users worldwide to acquire, deploy and use systems that include our AI-related products and services and reduce the number of customers, which could negatively impact our business and financial results. As there continues to be an increasing focus on risks related to AI technologies, there may be an increasing focus on regulatory restrictions that target products and services that enable or facilitate AI and that may negatively impact some of our AI-related products and services. If the AI-related products that we offer have unintended consequences, infringe intellectual property rights or rights of publicity, or are misused by our customers or are otherwise controversial due to their perceived or actual impact on human rights, privacy, cybersecurity, employment or other social, economic or political issues the publicâ€™s acceptance of AI may be impaired and this may also result in reputational, competitive and financial harm and liability to our business.The agreements governing our notes, our guarantee of the Assumed Xilinx Notes, and our Revolving Credit Agreement impose restrictions on us that may adversely affect our ability to operate our business.The indenture governing our 3.924% Senior Notes due 2032 and 4.393% Senior Notes due 2052 contains various covenants that limit our ability to, among other things: create liens on certain assets to secure debt, enter into certain sale and leaseback transactions; and consolidate with, merge into or sell, convey or lease all or substantially all of our assets to any other person.We unconditionally guarantee, on a senior unsecured basis, Xilinxâ€™s obligations under the Xilinxâ€™s 2.375% Notes due 2030 (the Assumed Xilinx Notes). The supplemental indenture governing the Assumed Xilinx Notes also contain various covenants which limit our ability to, among other things, create certain liens on principal property or the capital stock of certain subsidiaries, enter into certain sale and leaseback transactions with respect to principal property, and consolidate or merge with, or convey, transfer or lease all or substantially all our assets, taken as a whole, to another person.We also have an unsecured revolving credit facility in the aggregate principal amount of $3.0 billion (Revolving Credit Agreement). Our Revolving Credit Agreement contains various covenants which limit our ability to, among other things, incur liens; and consolidate or merge or sell our assets as an entirety or substantially as an entirety (in each case, except for certain customary exceptions). In addition, our Revolving Credit Agreement requires us to maintain a minimum consolidated interest coverage ratio at the end of each fiscal quarter. The agreement governing our convertible notes and our Revolving Credit Agreement contains provisions whereby a payment default or acceleration under certain agreements with respect to other material indebtedness would result in cross defaults under our convertible indenture or the Revolving Credit Agreement and allow note holders or the lenders under our Revolving Credit Agreement to declare all amounts outstanding under certain of our indentures or the Revolving Credit Agreement to be immediately due and payable. If the lenders under our Revolving Credit Agreement accelerate the repayment of borrowings, we cannot assure you that we will have sufficient assets to repay those borrowings.Also, we enter into sale and factoring arrangements from time to time with respect to certain accounts receivables, which arrangements are non-recourse to us in the event that an account debtor fails to pay for credit-related reasons and are not included in our indebtedness. We could become obligated to repurchase such accounts receivables or otherwise incur liability to the counterparties under these arrangements under certain circumstances, such as where a commercial dispute arises between us and an account debtor.

Merger, Acquisition, Divestiture, and Integration RisksAcquisitions, joint ventures, and/or strategic investments, and the failure to integrate acquired businesses, may fail to materialize their anticipated benefits and could disrupt our business, which could adversely affect our results of operation and financial condition. We have acquired and invested in businesses, and may continue to do so, that offer products, services and technologies that we believe will help expand our product offerings and services and grow our business in response to changing technologies, customer demands and competitive pressures. Acquisitions and joint ventures include numerous risks including, but not limited to: our inability to identify suitable opportunities in a timely manner or on terms acceptable to us; failure to complete a transaction in a timely manner, or at all; inability to obtain, or delay in obtaining, regulatory approvals or IP disputes or other litigation; difficulty in obtaining financing on terms acceptable to us or at all; and failure of a transaction to advance our business strategy or other unforeseen factors. For example, in August 2024, we completed our acquisition of Silo AI Oy (Silo AI), and we entered into an agreement to acquire ZT Group Intâ€™l, Inc. (ZT Systems), which is currently expected to close in the first half of 2025, subject to certain regulatory approvals and other customary closing conditions. Our ability to realize any of the anticipated benefits from an acquisition depends on us successfully integrating the acquired business into our business. Any acquisitions we may undertake, including Silo AI and ZT Systems, involve certain integration risks and uncertainties including, but not limited to: difficulty in integrating the technology, systems, products, policies, processes or operations and integrating and retaining the employees including key personnel of the acquired business; diversion of capital and other resources, including managementâ€™s attention from our existing business; unanticipated costs or liabilities, such as increased interest expense and compliance with debt covenants or other obligations; coordinating and integrating in countries in which we have not previously operated; the potential impact of the acquisitions on our relationships with employees, vendors, suppliers and customers; our inability to effectively retain suppliers, vendors and customers of the acquired businesses; entry into geographic or business markets in which we have little or no experience; adverse changes in general economic conditions in regions in which we and the acquired companies operate; potential litigation associated with the acquisitions; difficulties in the assimilation of employees and culture; difficulties in managing the expanded operations of a larger and more complex company; and difficulties with integrating and upgrading our and the acquired companiesâ€™ financial reporting systems. If we cannot successfully integrate or are delayed in integrating newly acquired businesses, it could negatively impact our ability to develop or sell new products and impair our ability to grow our business, which could materially adversely affect our financial conditions, results of operations or cash flows. Even if the businesses we acquire are successfully integrated, the benefits of such transactions may not be realized within the anticipated time frame or at all. To complete an acquisition, as contemplated by our intent to acquire ZT Systems, we may issue equity securities, which would dilute our stockholdersâ€™ ownership and could adversely affect the price of our common stock, and/or incur debt, assume contingent liabilities or have amortization expenses and write-downs of acquired assets, which could adversely affect our results of operations. We may not adequately assess the risks of new business initiatives and subsequent events may arise that alter the risks that were initially considered. Acquisitions, joint ventures and other investments involve significant challenges and risks and could impair our ability to grow our business, develop new products or sell our products, which could have a negative impact on our results of operations. Acquisitions or joint ventures may also reduce our cash available for operation and other uses which could harm our business. For example, the majority of our ATMP services are provided by the ATMP JVs, and there is no guarantee that the JVs will be able to fulfill our long-term ATMP requirements. If we are unable to meet customer demand due to fluctuating or late supply from the ATMP JVs, it could result in lost sales and have a material adverse effect on our business. We may not realize the expected benefits from the THATIC JVâ€™s expected future performance, including the receipt of any future milestone payments and any royalties from certain licensed intellectual property. In June 2019, the BIS added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. We are complying with U.S. law pertaining to the Entity List designation.

Furthermore, we invest in both public and private companies to further our strategic objectives and to support certain key business initiatives. We invest in early-stage companies that may still be in the process of developing a strategic direction and may not yet generate revenue. Many of the equity and debt instruments that we invest in are non-marketable and illiquid at the time of our initial investment, and we are not always able to achieve a return. Our ability to realize a return on our investments in private companies typically depends on the company completing a liquidity event, such as a public offering or acquisition. Market conditions and events, particularly in periods with economic uncertainty, inflation, volatile public equity markets or unsettled global market conditions, could cause our investments in public companies to expose us to volatility in our results due to changes in market prices and/or impairments. To the extent any of the companies in which we invest in are not successful, we could recognize an impairment and/or lose all or part of our investment. Our investment portfolio is concentrated in specific sectors. Adverse developments in one or any of these sectors due to regulatory changes, technology disruptions or market downturns could negatively impact the performance of our investment portfolio. Our ability to complete the acquisition of ZT Systems is subject to closing conditions, including the receipt of consents and approvals from government authorities, which may impose conditions that could adversely affect us or cause the acquisition to not be completed.Our acquisition of ZT Systems (the Acquisition), which is expected to occur in the first half of 2025, is subject to the satisfaction or waiver of a number of customary conditions as specified in the purchase agreement (the Agreement), including receipt of certain specified required regulatory approvals and the absence of laws or orders restraining the consummation of the Agreement, among others. We cannot assure you that we will receive the necessary regulatory approvals at all or in a timely manner or that closing conditions will be satisfied. Any delay in completing the Acquisition could cause us to not realize, or to be delayed in realizing, some or all of the benefits we expect to achieve from this transaction. Additionally, if the Acquisition is not completed, we may incur significant acquisitions costs that we may be unable to recover, which could negatively affect our business and results of operations. We would be required to pay ZT Systems a termination fee of $300 million if the Agreement is terminated in certain circumstances related to the failure to obtain required regulatory approvals.We intend to seek a strategic partner to acquire ZT Systems' manufacturing business, and we may not realize the anticipated benefits of this transaction. We may not be able to divest the ZT Systemsâ€™ manufacturing business on acceptable terms or at all. Divestitures involve certain risks and uncertainties such as: inability to find potential buyers on favorable terms; failure to receive regulatory or governmental approvals, or delay in receiving such approvals; restrictions due to regulatory or governmental approval, litigation, contractual terms, or other conditions; changes in market conditions or geopolitical conditions affecting the regions or industries in which we or our counterparties operate; distraction of management; failure to effectively transfer liabilities, contracts, facilities and employees to buyer; continued financial obligations and unanticipated liabilities; and closing delays. Any one of these factors could delay the achievement of our strategic objectives or cause us to incur additional transaction expenses.

Any impairment of our tangible, definite-lived intangible or indefinite-lived intangible assets, including goodwill, may adversely impact our financial position and results of operations.We account for certain acquisitions, including the Xilinx, Inc. (Xilinx), Pensando Systems Inc. (Pensando) and Silo AI acquisitions, using the acquisition method of accounting under the provisions of ASC 805, Business Combinations, with AMD representing the accounting acquirer under this guidance. We record assets acquired, including identifiable intangible assets, and liabilities assumed, at their respective fair values at the acquisition date. Any excess of the purchase price over the net fair value of such assets and liabilities will be recorded as goodwill. In connection with the Xilinx, Pensando and Silo AI acquisitions, we recorded significant goodwill and other intangible assets on our Consolidated Balance Sheets. Indefinite-lived intangible assets, including goodwill, are tested for impairment at least annually, and all tangible and intangible assets including goodwill will be tested for impairment when certain indicators are present. If, in the future, we determine that tangible or intangible assets, including goodwill, are impaired, we would record an impairment charge at that time. Impairment testing of goodwill requires significant use of judgment and assumptions, particularly as it relates to the determination of fair value. Subsequent to our annual goodwill impairment analysis, we monitor for any events or changes in circumstances, such as significant adverse changes in business climate or operating results, changes in managementâ€™s business strategy, an inability to successfully introduce new products in the marketplace, an inability to successfully achieve internal forecasts or significant declines in our stock price, which may represent an indicator of impairment. A decrease in the long-term economic outlook and future cash flows of our business could significantly impact asset values and potentially result in the impairment of tangible and intangible assets, including goodwill, and may require us to record future impairment charges, which may have a material adverse impact on our financial position and results of operations.General RisksOur worldwide operations are subject to political, legal and economic risks and natural disasters, which could have a material adverse effect on us.We maintain operations around the world, including in the United States, Canada, Europe, Australia, Latin America and Asia. We rely on third-party wafer foundries in the United States, Europe and Asia. Nearly all product assembly and final testing of our products is performed at third-party operated manufacturing facilities, in China, Malaysia and Taiwan. Our shipping services are provided by third-party subcontractors. We also have international sales operations. International sales, as a percent of net revenue, were 66% for the year ended December 28, 2024. We expect that international sales will continue to be a significant portion of total sales in the foreseeable future. The political, legal and economic risks associated with our worldwide operations include, without limitation: expropriation; changes in a specific countryâ€™s or regionâ€™s political or economic conditions; changes in tax laws, trade protection measures and import or export licensing requirements and restrictions; difficulties in protecting our intellectual property; difficulties in managing staffing and exposure to different employment practices and labor laws; changes in foreign currency exchange rates; restrictions on transfers of funds and other assets of our subsidiaries between jurisdictions; changes in freight rates; changes to macroeconomic conditions, including interest rates, inflation and recession; transportation restrictions or disruptions; loss or modification of exemptions for taxes and tariffs; and compliance with U.S. laws and regulations related to international operations, including export control and economic sanctions laws and regulations and the Foreign Corrupt Practices Act. Recently, the U.S. and other countries and coalitions have issued sanctions and revisions to export control and other regulations against Russia, Belarus, and the DNR and LNR regions of Ukraine, due to the conflict in Ukraine. Also, geopolitical changes between China and Taiwan could disrupt the operations of our Taiwan-based third-party wafer foundries, manufacturing facilities and subcontractors, and materially adversely affect delivery of products and our business, financial condition and/or operating results. Moreover, the Ukraine-Russia and Israel-Hamas conflicts could escalate and expand, which in turn could have negative impacts on the global economy and financial markets.

In addition, our worldwide operations (or those of our business partners) could be subject to natural disasters and climate change such as earthquakes, tsunamis, flooding, tropical cyclones, droughts, fires, sea-level rise, extreme heat and volcanic eruptions that disrupt our operations, or those of our manufacturers, vendors or customers. For example, our California operations are located near major earthquake fault lines. In April 2024, Taiwan experienced an earthquake where our third-party wafer foundries are located. We also have operations and employees in regions that have experienced extreme weather such as prolonged heat waves, wildfires and freezing. Extreme weather events and natural disasters can also disrupt the ability of our suppliers to deliver expected manufacturing parts and/or services for periods of time. In addition, certain natural disasters, including drought, wildfires, storms, sea-level rise and flooding, could disrupt the availability of water necessary for the operations of our business or the business of our suppliers or customers. Global climate change also may result in chronic changes that result in certain natural disasters occurring more frequently or with greater intensity, which could disrupt our operations, or the operations of our third parties. There may be conflict or uncertainty in the countries in which we, our customers and suppliers operate, including public health issues, epidemics and pandemics, safety issues, natural disasters, fire, disruptions of service from utilities, nuclear power plant accidents or general economic or political factors. Global health outbreaks, such as COVID-19, have and may continue to adversely affect our employees, disrupt our business operations, as well those of our customers and suppliers. Public health measures by government authorities may cause us to incur additional costs, limit our operations, modify our business practices, diminish employee productivity or disrupt our supply chain, which may have a material adverse effect on our business. The U.S. has been and may continue to be involved in armed conflicts that could have a further impact on our sales and our supply chain. The consequences of armed conflict, political instability or civil or military unrest are unpredictable, and we may not be able to foresee events that could have a material adverse effect on us. Terrorist attacks or other hostile acts may negatively affect our operations, or adversely affect demand for our products, and such attacks or related armed conflicts may impact our physical facilities or those of our suppliers or customers. Furthermore, these attacks or hostile acts may make travel and the transportation of our products more difficult and more expensive, which could materially adversely affect us. Any of these events could cause consumer spending to decrease or result in increased volatility in the U.S. economy and worldwide financial markets. Any of the above risks, should they occur, could result in increased costs, shipment delays, general business interruptions, the inability to obtain, or delays in obtaining export licenses for certain technology, penalties or a loss of export privileges, as well as stringent licensing restrictions that may make our products less attractive to international customers, tariffs and other barriers and restrictions, longer payment cycles, increased taxes, restrictions on the repatriation of funds and the burdens of complying with a variety of foreign laws, any of which could ultimately have a material adverse effect on our business.We may incur future impairments of our technology license purchases.We license certain third-party technologies and tools for the design and production of our products. We report the value of those licenses as other non-current assets on the Consolidated Balance Sheets, and we periodically evaluate the carrying value of those licenses based on their future economic benefit to us. Factors such as the life of the assets, changes in competing technologies, and changes to the business strategy may represent an indicator of impairment. The occurrence of any of these events may require us to record future technology license impairment charges.Our inability to continue to attract and retain qualified personnel may hinder our business.Much of our future success depends upon the continued service of numerous qualified engineering, marketing, sales and executive employees. Competition for highly skilled executives and employees in the technology industry, especially in the areas of AI and machine learning, is intense and our competitors have targeted individuals in our organization that have desired skills and experience. If we are not able to continue to attract, train and retain our leadership team and our qualified employees necessary for our business, the progress of our product development programs could be hindered, and we could be materially adversely affected. We use share-based incentive awards to help attract, retain and motivate our executives and qualified employees. If the value of such stock awards does not appreciate as measured by the performance of the price of our common stock, or if our share-based compensation otherwise ceases to be viewed as a valuable benefit, our ability to attract, retain and motivate our executives and employees could be weakened, which could harm our results of operations. Also, if the value of our stock awards increases substantially, this could potentially create great personal wealth for our executives and employees and affect our ability to retain our personnel. In addition, any future restructuring plans may adversely impact our ability to attract and retain key employees. 38Table of ContentsOur stock price is subject to volatility.Our stock price has experienced price and volume fluctuations and could be subject to wide fluctuations in the future. The trading price of our stock may fluctuate widely due to various factors including actual or anticipated fluctuations in our financial conditions and operating results, changes in financial estimates by us or financial estimates and ratings by securities analysts, changes in our capital structure, including issuance of additional debt or equity to the public, interest rate changes, inflation, news regarding our products or products of our competitors, and broad market and industry fluctuations. Stock price fluctuations could impact the value of our equity compensation, which could affect our ability to recruit and retain employees. In addition, volatility in our stock price could adversely affect our business and financing opportunities.We have an approved stock repurchase program that authorizes repurchases of up to $12 billion of our common stock (Repurchase Program). As of DecemberÂ 28, 2024, $4.7 billion remained available for future stock repurchases under the Repurchase Program. The Repurchase Program does not obligate us to acquire any common stock, has no termination date and may be suspended or discontinued at any time. Our stock repurchases could affect the trading price of our stock, the volatility of our stock price, reduce our cash reserves, and may be suspended or discontinued at any time, which may result in a decrease in our stock price.ITEMÂ 1B. UNRESOLVED STAFF COMMENTSNone.ITEMÂ 1C. CYBERSECURITYCybersecurity Risk Management and StrategyWe have developed and implemented a cybersecurity risk management program intended to protect the confidentiality, integrity, and availability of our critical systems and information. We design and assess our program based on the National Institute of Standards and Technology Cybersecurity Framework (NIST CSF), AI Risk Management Framework (AI RMF) and other industry practices and standards. This does not mean that we meet any particular technical standards, specifications, or requirements, but only that we use the NIST CSF, AI RMF, and other industry practices and standards as guides to help us identify, assess, and manage cybersecurity risks relevant to our business.Information about cybersecurity risks and our risk management processes is collected, analyzed and considered as part of our overall enterprise risk management program.Key components of our cybersecurity risk management program include:â€¢periodic risk assessments designed to help identify cybersecurity risks to our critical systems, information, services, and our broader enterprise IT environment;â€¢a security team principally responsible for managing (1) our cybersecurity risk assessment processes, (2) our security controls, and (3) our detection and response to cybersecurity incidents;â€¢the use of external service providers, where appropriate, to assess, evaluate, test or otherwise assist with aspects of our security controls and processes;â€¢active testing including penetration tests, attack simulations and tabletop exercises;â€¢cybersecurity awareness training of our employees, incident response personnel and senior management; â€¢a cybersecurity incident response plan that includes procedures for responding to cybersecurity incidents; andâ€¢a third-party cyber risk management process for vendors including, among other things, a security assessment and contracting program for vendors based on their risk profile.39Table of ContentsAt this time, we have not identified risks from known cybersecurity threats, including as a result of any prior cybersecurity incidents, that have materially affected us, including our operations, business strategy, results of operations, or financial condition. We face certain ongoing risks from cybersecurity threats that, if realized, are reasonably likely to materially affect us, including our operations, business strategy, results of operations, or financial condition. See â€œRisk Factors - IT outages, data loss, data breaches and cyberattacks could disrupt operations and compromise our intellectual property or other sensitive information, be costly to remediate or cause significant damage to our business, reputation, financial condition and results of operations.â€Cybersecurity GovernanceOur Board considers cybersecurity risk as part of its risk oversight function and has delegated to the Audit and Finance Committee (Committee) oversight of cybersecurity and other information technology risks. The Committee oversees managementâ€™s implementation of our cybersecurity risk management program. The Committee receives quarterly reports from management on our cybersecurity risks. In addition, management updates the Committee, as necessary, regarding any significant cybersecurity incidents.The Committee reports to the full Board regarding its activities, including those related to cybersecurity. The full Board also receives a briefing from management on our cyber risk management program at least annually. Board members receive presentations on cybersecurity matters from our Chief Information Security Officer (CISO), information security team or external experts as part of the Boardâ€™s continuing education on topics that impact public companies. The CISO reports to the Chief Information Officer (CIO).Our CISO has primary responsibility for our overall cybersecurity risk management program, and directly supervises both our internal cybersecurity personnel and any retained external cybersecurity consultants. Our CISO has over 19 years of experience in cybersecurity including security operations, security architecture, identity and access management, cloud security, vulnerability management, and application/product security, policy, and compliance.Our CISO is informed about and monitors the prevention, detection, mitigation, and remediation of cybersecurity risks and incidents through various means, which may include, among other things, briefings with internal security personnel, threat intelligence and other information obtained from governmental, public or private sources, including external consultants engaged by us, and alerts and reports produced by security tools deployed in our IT environment. ITEMÂ 2. PROPERTIESAs of DecemberÂ 28, 2024, we have approximately 6 million square feet of space for research and development, engineering, administrative and warehouse use throughout the world. These facilities include approximately 5 million square feet of leased space and approximately 1 million square feet of owned space. Our headquarters are located in Santa Clara, California, and we have significant operations in Austin, Texas; San Jose, California; Shanghai, China; Markham, Ontario, Canada; Longmont, Colorado; Dublin, Ireland; Singapore; and Bengaluru and Hyderabad, India. We also have a number of regional sales offices located in commercial centers near customers, principally in the United States, Europe, Asia and Latin America.We currently do not anticipate difficulty in either retaining occupancy of any of our facilities through lease renewals prior to expiration or through month-to-month occupancy or replacing them with equivalent facilities. We believe that our existing facilities are suitable and adequate for our present purposes and that the productive capacity of such facilities is substantially being utilized or we have plans to utilize such capacity.ITEMÂ 3. LEGAL PROCEEDINGSFor a discussion of our legal proceedings, refer to Note 18 â€“ Contingencies of the Notes to Consolidated Financial Statements (Part II, Item 8 of this Form 10-K).ITEMÂ 4. MINE SAFETY DISCLOSURESNot Applicable.40Table of ContentsPART IIITEMÂ 5. MARKET FOR REGISTRANTâ€™S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIESOur common stock is listed on The NASDAQ Global Select Market (NASDAQ) under the symbol â€œAMDâ€. On January 24, 2025, there were 5,028 registered holders of our common stock, and the closing price of our common stock was $122.84 per share as reported on NASDAQ.Issuer Purchases of Equity SecuritiesWe have an approved stock repurchase program authorizing repurchases of up to $12 billion of our common stock (Repurchase Program). We expect to fund repurchases through cash generated from operations. Our Repurchase Program does not obligate us to acquire any common stock, has no termination date and may be suspended or discontinued at any time. The following table provides information relating to our repurchase of common stock during the fourth quarter of fiscal year 2024:Date of RepurchaseTotal Number of Shares RepurchasedAverage Price Paid per ShareTotal Number of Shares Repurchased as Part of Publicly Announced Plans or ProgramsApproximate Dollar Value of Shares That May Yet be Purchased Under the Plans or Programs(In millions)Sept. 29, 2024 - Oct. 26, 2024â€”Â $â€”Â â€”Â $4,949Â Oct. 27, 2024 - Nov. 23, 20241,801,675Â $138.63Â 1,801,675Â $4,699Â Nov. 24, 2024 - Dec. 28, 202447,984Â $134.04Â 47,984Â $4,693Â Total1,849,659Â 1,849,659Â Equity Award Share WithholdingShares of common stock withheld as payment of withholding taxes in connection with the vesting or exercise of equity awards are also treated as common stock repurchases. Those withheld shares of common stock are not considered common stock repurchases under an authorized common stock repurchase plan. During fiscal year 2024, we withheld approximately 4.6 million shares at an average price of $154.53 per share as payment of withholding taxes in connection with the vesting and exercise of equity awards.For information about our equity compensation plans, see Part III, ItemÂ 11, below.41Table of ContentsPerformance Graph Comparison of Five-Year Cumulative Total Returns Advanced Micro Devices, S&P 500 Index and S&P 500 Semiconductors Index The following graph shows a five-year comparison of cumulative total return on our common stock, the S&P 500 Index and the S&P 500 Semiconductors Index from DecemberÂ 28, 2019 through DecemberÂ 28, 2024, assuming reinvestment of dividends. The past performance of our common stock is no indication of future performance.Base PeriodYears EndedCompany / Index12/28/201912/26/202012/25/202112/31/202212/30/202312/28/2024Advanced Micro Devices, Inc.$100$199Â $316Â $140Â $319Â $271Â S&P 500 Index$100$116Â $151Â $124Â $157Â $199Â S&P 500 Semiconductors Index$100$140Â $214Â $134Â $282Â $537Â Unregistered Sales of Equity SecuritiesNone. ITEMÂ 6. [RESERVED]42Table of ContentsITEMÂ 7. MANAGEMENTâ€™S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONSThe following discussion should be read in conjunction with the Consolidated Financial Statements as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023 and for each of the three years in the period ended DecemberÂ 28, 2024 and related notes, which are included in this Annual Report on Form 10-K as well as with the other sections of this Annual Report on FormÂ 10-K, â€œPart II, ItemÂ 8: Financial Statements and Supplementary Data.â€IntroductionIn this section, we will describe the general financial condition and the results of operations of Advanced Micro Devices, Inc. and its wholly-owned subsidiaries (collectively, â€œus,â€ â€œourâ€ or â€œAMDâ€), including a discussion of our results of operations for 2024 compared to 2023, an analysis of changes in our financial condition and a discussion of our off-balance sheet arrangements. Discussions of 2022 items and year-to-year comparisons between 2023 and 2022 that are not included in this Form 10-K can be found in â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€ in Part II, Item 7 of our Annual Report on Form 10-K for the fiscal year ended DecemberÂ 30, 2023.OverviewIn 2024, we delivered strong annual revenue growth with net revenue increasing 14% to $25.8 billion, compared to $22.7 billion in 2023. This growth was driven by the performance of our Data Center and Client segments. Data Center net revenue of $12.6 billion increased by 94% compared to $6.5 billion in 2023, driven by higher sales of our AMD Instinctâ„¢ GPUs and AMD EPYCâ„¢ CPUs. Client segment net revenue of $7.1 billion in 2024 increased by 52% compared to $4.7 billion in 2023, primarily due to higher sales of our AMD Ryzenâ„¢ mobile and desktop processors. The increase in annual net revenue was partially offset by a decrease in net revenue in our Gaming and Embedded segments. Gaming net revenue of $2.6 billion decreased by 58% compared to $6.2 billion in 2023. The decrease in net revenue was primarily due to lower semi-custom product revenue. Embedded net revenue of $3.6 billion decreased by 33% compared to net revenue of $5.3 billion in 2023, as customers normalized their inventory levels.During the year, we successfully launched multiple leadership products and made significant progress executing our AI strategy. One of our priorities in 2024 was to accelerate growth in our Data Center segment. The demand for our Data Center AI accelerator products was very strong led by large hyperscale cloud customers deploying our AMD Instinct MI300X GPU accelerators. During the year, we unveiled an accelerated AMD Instinct accelerator roadmap to deliver an annual cadence of leadership AI solutions. To further expand our high-performance server CPU portfolio, we launched our 5th Gen AMD EPYCâ„¢ processors, formerly codenamed â€œTurin,â€ built with our latest â€œZen 5â€ core architecture designed to deliver leadership performance and efficiency.We took a major step in our AI PC roadmap with the launch of AMD Ryzen AI 300 Series processors that combine leadership compute capabilities based on our â€œZen 5â€ architecture and an industry-leading neural processing unit (NPU) powered by our XDNA 2 architecture for next-generation AI PCs. We added to our Ryzen family of desktop CPUs with the Ryzen 9000 series processors for laptop and desktop PCs that deliver leadership performance in gaming, productivity and content creation. In our Gaming segment, we extended our multigenerational partnership with Sony as they introduced the PlayStationÂ® 5 Pro, which features a new AMD semi-custom SoC designed to deliver increases in graphics and ray tracing performance to enable AI-driven upscaling.We expanded our adaptive computing portfolio with differentiated solutions with the launch of the new Versalâ„¢ Series Gen 2 devices, including the new Versal AI Edge Series Gen 2 and Versal Prime Series Gen 2 adaptive SoCs, which bring preprocessing, AI inference, and postprocessing together in a single device for end-to-end acceleration of AI-driven embedded systems.To execute our AI strategy, we brought together multiple AI teams across AMD to drive development of a comprehensive software ecosystem spanning our full product portfolio. We made several key optimizations and introduced new features in the latest AMD ROCmâ„¢ software that increased performance in key generative AI workloads, expanded support and optimization for additional frameworks and libraries, and simplified the overall developer experience. We also made strategic investments to further expand our AI software capabilities with the acquisition of Silo AI Oy (Silo AI), an AI lab based in Finland. The acquisition of Silo AI enables customers to accelerate development and deployment of AI models on AMD hardware. Silo AI has also developed a software stack used to train multiple state-of-the-art large language models (LLMs) on AMD Instinct accelerators that can accelerate the development of highly-performant AMD training solutions.43Table of ContentsWe also focused on extending our data center infrastructure capabilities by entering into an agreement in August 2024 to acquire ZT Group Intâ€™l, Inc. (ZT Systems), a provider of AI and general purpose compute infrastructure for hyperscale computing companies. We believe that with the acquisition of ZT Systems, we can accelerate time to market for our leadership AI training and inferencing solutions. The acquisition is expected to close in the first half of fiscal year 2025, subject to certain regulatory approvals and other customary closing conditions. We intend to seek a strategic partner to acquire ZT Systems' manufacturing business.Gross margin, as a percentage of net revenue, was 49% for 2024, compared to 46% in 2023. The increase in gross margin was primarily due to a favorable shift in revenue mix with higher Data Center and Client revenues, lower Gaming revenue, partially offset by the impact of lower Embedded revenue. Operating income for 2024 was $1.9 billion compared to operating income of $401 million for 2023. The increase in operating income was primarily driven by higher revenue, partially offset by increased R&D investments. Net income for 2024 was $1.6 billion compared to $854 million in the prior year. The increase in net income was primarily driven by higher revenue.Cash, cash equivalents and short-term investments as of DecemberÂ 28, 2024 were $5.1 billion, compared to $5.8 billion at the end of 2023. Our aggregate principal amount of total debt as of DecemberÂ 28, 2024 was $1.8 billion, compared to $2.5 billion as of DecemberÂ 30, 2023. We repaid our 2.95% Senior Notes due 2024 with a principal amount of $750 million in June 2024.During the twelve months ended DecemberÂ 28, 2024, we returned a total of $862Â million to shareholders through the repurchase of 5.9Â million shares of common stock under our stock repurchase program. As of DecemberÂ 28, 2024, $4.7 billion remained available for future stock repurchases under this program. The stock repurchase program does not obligate us to acquire any common stock, has no termination date and may be suspended or discontinued at any time.We intend the discussion of our financial condition and results of operations that follows to provide information that will assist in understanding our financial statements, the changes in certain key items in those financial statements from period to period, the primary factors that resulted in those changes, and how certain accounting principles, policies and estimates affect our financial statements. Critical Accounting EstimatesOur discussion and analysis of our financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with U.S. generally accepted accounting principles (U.S. GAAP). The preparation of our financial statements requires us to make estimates and judgments that affect the reported amounts in our Consolidated Financial

Statements. We evaluate our estimates on an on-going basis, including those related to our revenue, inventories, goodwill, long-lived and intangible assets, and income taxes. We base our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities. Although actual results have historically been reasonably consistent with managementâ€™s expectations, the actual results may differ from these estimates or our estimates may be affected by different assumptions or conditions.Management believes the following critical accounting estimates are the most significant to the presentation of our financial statements and require the most difficult, subjective and complex judgments.Revenue Allowances.Â Revenue contracts with our customers include variable amounts which we evaluate under ASC 606-10-32-8 through 14 in order to determine the net amount of consideration to which we are entitled and which we recognize as revenue. We determine the net amount of consideration to which we are entitled by estimating the most likely amount of consideration we expect to receive from the customer after adjustments to the contract price for rights of return and rebates to our original equipment manufacturers (OEM) customers and rights of return, rebates and price protection on unsold merchandise to our distributor customers.We base our determination of necessary adjustments to the contract price by reference to actual historical activity and experience, including actual historical returns, rebates and credits issued to OEM and distributor customers adjusted, as applicable, to include adjustments, if any, for known events or current economic conditions, or both.Our estimates of necessary adjustments for distributor price incentives and price protection on unsold products held by distributors are based on actual historical incentives provided to distributor customers and known future price movements based on our internal and external market data analysis.44Table of ContentsOur estimates of necessary adjustments for OEM price incentives utilize, in addition to known pricing agreements, actual historical rebate attainment rates and estimates of future OEM rebate program attainment based on internal and external market data analysis.We offer incentive programs through cooperative advertising and marketing promotions. Where funds provided for such programs can be estimated, we recognize a reduction to revenue at the time the related revenue is recognized; otherwise, we recognize such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where we reimburse a customer for a portion of the customerâ€™s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition.We also provide limited product return rights to certain OEMs and to most distribution customers. These return rights are generally limited to a contractual percentage of the customerâ€™s prior quarter shipments, although, from time to time we may approve additional product returns beyond the contractual arrangements based on the applicable facts and circumstances. In order to estimate adjustments to revenue to account for these returns, including product restocking rights provided to distributor and OEM customers, we utilize relevant, trended actual historical product return rate information gathered, adjusted for actual known information or events, as applicable.Overall, our estimates of adjustments to contract price due to variable consideration under our contracts with OEM and distributor customers, based on our assumptions and include adjustments, if any, for known events, have been materially consistent with actual results; however, these estimates are subject to managementâ€™s judgment and actual provisions could be different from our estimates and current provisions, resulting in future adjustments to our revenue and operating results.Inventory Valuation.Â We value inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. Material assumptions we use to estimate necessary inventory carrying value adjustments can be unique to each product and are based on specific facts and circumstances. In determining excess or obsolescence reserves for products, we consider assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for our products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, we consider assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. If in any period we anticipate a change in assumptions such as future demand or market conditions to be less favorable than our previous estimates, additional inventory write-downs may be required and would be reflected in cost of sales, resulting in a negative impact to our gross margin in that period. If in any period we are able to sell inventories that had been written down to a level below the ultimate realized selling price in a previous period, related revenue would be recorded with a lower or no offsetting charge to cost of sales resulting in a net benefit to our gross margin in that period. Overall, our estimates of inventory carrying value adjustments have been materially consistent with actual results.Goodwill.Â Goodwill is the excess of the aggregate of the consideration transferred over the identifiable assets acquired and liabilities assumed in connection with business combinations. Our reporting units are at the operating segment level. Our goodwill is contained within four reporting units: Data Center, Client, Gaming and Embedded. We perform our goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment, which occurs when the carrying value of a reporting unit exceeds its fair value. Significant judgment is required in estimating the fair value of our reporting units to determine if the fair values of those units exceed their carrying values and an impairment to goodwill is required when a quantitative goodwill impairment test is performed. We typically obtain the assistance of third-party valuation specialists to help in determining the fair value of our reporting units. Changes in operating plans or adverse changes in the business or in the macroeconomic environment in the future could reduce the underlying cash flows used to estimate fair values and could result in a decline in fair value that would trigger future impairment charges of our reporting unitsâ€™ goodwill. Based on our annual qualitative impairment test, we concluded it is not more likely than not that the carrying value of each reporting unit exceeded its fair value. 45Table of ContentsLong-Lived and Intangible Assets. Long-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows. When indicators of impairment exist and assets are held for use, we estimate future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals.Income Taxes.Â In determining taxable income for financial statement reporting purposes, we must make certain estimates and judgments. These estimates and judgments are applied in the calculation of certain tax liabilities and in the determination of the recoverability of deferred tax assets which arise from temporary differences between the recognition of assets and liabilities for tax and financial statement reporting purposes.We regularly assess the likelihood that we will be able to recover our deferred tax assets. Unless recovery is considered more-likely-than-not (a probability level of more than 50%), we will record a charge to income tax expense in the form of a valuation allowance for the deferred tax assets that we estimate will not ultimately be recoverable or maintain the valuation allowance recorded in prior periods. When considering all available evidence, if we determine it is more-likely-than-not we will realize our deferred tax assets, we will reverse some or all of the existing valuation allowance, which would result in a credit to income tax expense and the establishment of an asset in the period of reversal.In determining the need to establish or maintain a valuation allowance, we consider the four sources of jurisdictional taxable income: (i) carryback of net operating losses to prior years; (ii) future reversals of existing taxable temporary differences; (iii) viable and prudent tax planning strategies; and (iv) future taxable income exclusive of reversing temporary differences and carryforwards. The federal valuation allowance maintained is due to limitations, under Internal Revenue Code Section 382 or 383, separate return loss year rules, or dual consolidated loss rules. Certain state and foreign valuation allowances are maintained due to a lack of sufficient sources of future taxable income.In addition, the calculation of our tax liabilities involves addressing uncertainties in the application of complex, multi-jurisdictional tax rules and the potential for future adjustment of our uncertain tax positions by the Internal Revenue Service or other taxing authorities. Results of OperationsAdditional information on our reportable segments is contained in Note 4 â€“ Segment Reporting of the Notes to Financial Statements (Part II, Item 8 of this Form 10-K).Our operating results tend to vary seasonally. Historically, our net revenue has been generally higher in the second half of the year than in the first half of the year, although market conditions and product transitions could impact these trends.46Table of ContentsThe following table provides a summary of net revenue and operating income (loss) by segment for 2024 and 2023:Year EndedDecember 28,2024December 30,2023(In millions)Net revenue:Data Center$12,579Â $6,496Â Client7,054Â 4,651Â Gaming2,595Â 6,212Â Embedded3,557Â 5,321Â Total net revenue$25,785Â $22,680Â Operating income (loss):Data Center$3,482Â $1,267Â Client897Â (46)Gaming290Â 971Â Embedded1,421Â 2,628Â All Other(4,190)(4,419)Total operating income$1,900Â $401Â Data CenterData Center net revenue of $12.6 billion in 2024 increased by 94%, compared to net revenue of $6.5 billion in 2023. The increase was primarily driven by higher sales of AMD Instinct GPUs and AMD EPYC CPUs.Data Center operating income was $3.5 billion in 2024, compared to operating income of $1.3 billion in 2023. The increase in operating income was primarily due to higher revenue, partially offset by higher R&D investment. ClientClient net revenue of $7.1 billion in 2024 increased by 52%, compared to net revenue of $4.7 billion in 2023, primarily due to a 34% increase in unit shipments and a 13% increase in average selling price driven by strong demand for AMD mobile and desktop Ryzen processors. Client operating income was $897 million in 2024, compared to operating loss of $46 million in 2023. The increase in operating income was primarily due to higher revenue, partially offset by higher operating expenses. GamingGaming net revenue of $2.6 billion in 2024 decreased by 58%, compared to net revenue of $6.2 billion in 2023. The decrease in net revenue was primarily due to lower semi-custom product revenue. Gaming operating income was $290 million in 2024, compared to operating income of $971 million in 2023. The decrease in operating income was primarily driven by lower revenue. EmbeddedEmbedded net revenue of $3.6 billion in 2024 decreased by 33%, compared to net revenue of $5.3 billion in 2023. The decrease in net revenue was primarily due to lower demand as customers continued to normalize their inventory levels. Embedded operating income was $1.4 billion in 2024, compared to operating income of $2.6 billion in 2023. The decrease in operating income was primarily driven by lower revenue.All OtherAll Other operating loss of $4.2 billion in 2024 primarily consisted of $2.4 billion of amortization of acquisition-related intangibles and $1.4 billion of stock-based compensation expense. All Other operating loss of $4.4 billion in 2023 primarily consisted of $2.8 billion of amortization of acquisition-related intangibles and $1.4 billion of stock-based compensation expense.47Table of ContentsComparison of Gross Margin, Expenses, Licensing Gain, Interest Expense, Other Income (expense) and Income TaxesThe following is a summary of certain Consolidated Statement of Operations data for 2024 and 2023:December 28, 2024December 30, 2023Â (InÂ millions,Â exceptÂ forÂ percentages)Net revenue$25,785Â $22,680Â Cost of sales12,114Â 11,278Â Amortization of acquisition-related intangibles946Â 942Â Gross profit12,725Â 10,460Â Gross margin49%46%Research and development6,456Â 5,872Â Marketing, general and administrative2,783Â 2,352Â Amortization of acquisition-related intangibles1,448Â 1,869Â Restructuring charges186Â â€”Â Licensing gain(48)(34)Interest expense(92)(106)Other income (expense), net181Â 197Â Income tax provision (benefit)381Â (346)Gross MarginGross margin as a percentage of net revenue was 49% in 2024 compared to 46% in 2023. The increase in gross margin was due to a favorable shift in revenue mix of higher Data Center and Client revenues, lower Gaming revenue, partially offset by the impact of lower Embedded revenue.ExpensesResearch and Development ExpensesResearch and development expenses of $6.5 billion in 2024 increased by $584 million, or 10%, compared to $5.9 billion in 2023. The increase was primarily due to higher employee-related costs due to an increase in headcount in support of our AI strategy. Marketing, General and Administrative ExpensesMarketing, general and administrative expenses of $2.8 billion in 2024 increased by $431 million, or 18%, compared to $2.4 billion in 2023. The increase was primarily due to an increase in go-to-market activities to support our revenue growth. Amortization of Acquisition-Related IntangiblesAmortization of acquisition-related intangibles of $2.4Â billion for 2024 decreased by $417 million, or 15%, compared to $2.8Â billion in 2023. The decrease was primarily due to certain acquisition-related intangibles being fully amortized in the prior fiscal year.Restructuring ChargesWe recognized $186 million of restructuring charges in 2024 due to the implementation of a restructuring plan (the 2024 Restructuring Plan). The 2024 Restructuring Plan was focused on driving efficiencies across the business and aligning resources with our largest growth opportunities in the AI and enterprise markets. Licensing GainWe hold equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third-party Chinese entity. We recognized $48 million and $34 million of licensing gain from royalty income associated with the licensed IP to the THATIC JV, in 2024 and 2023, respectively. 48Table of ContentsInterest ExpenseInterest expense of $92 million in 2024 decreased by $14 million compared to $106 million in 2023, primarily due to repayment of the 2.95% Senior Notes due in June 2024.Other Income (expense), netOther income (expense), net is primarily comprised of interest income from short-term investments, changes in valuation of equity investments and foreign currency transaction gains and losses.Other income (expense), net was $181 million in 2024 compared to $197 million of Other income, net in 2023. The change was primarily due to a decrease in interest income from lower balances held in short-term investments compared to the prior year.Income Tax Provision (Benefit)We recorded an income tax provision of $381 million in 2024 and an income tax benefit of $346 million in 2023, representing effective tax rates of 19% and (68%), respectively. The increase in income tax provision in 2024 was primarily due to higher pre-tax income and a $373 million tax effect from an intercompany integration transaction. Global Minimum TaxThe OECD is continuing discussions surrounding fundamental changes in allocation of profits among tax jurisdictions in which companies do business, as well as the implementation of a global minimum tax (namely the â€œPillar Oneâ€ and â€œPillar Twoâ€ proposals). The Council of the European Union has adopted the global corporate 15% minimum tax as provided for in Pillar Two and has directed EU member states to implement legislation enacting Pillar Two. Many countries, including non-EU member states, have implemented laws based on Pillar Two proposals, with effective dates that started in 2024. Although many countries have already introduced Pillar Two legislation applicable to us effective in 2024, certain jurisdictions in which we operate have not adopted corresponding legislation to date. For 2024, the impact to us associated with Pillar Two was immaterial. We continue to evaluate the impact of proposed and enacted legislative changes to our effective tax rate and cash flows as new guidance becomes available.International SalesInternational sales as a percentage of net revenue were 66% in 2024 and 65% in 2023. We expect that international sales will continue to be a significant portion of total sales in the foreseeable future. Substantially all of our sales transactions are denominated in U.S. dollars.FINANCIAL CONDITIONLiquidity and Capital ResourcesAs of DecemberÂ 28, 2024, our cash, cash equivalents and short-term investments were $5.1 billion compared to $5.8 billion as of DecemberÂ 30, 2023. The percentage of cash and cash equivalents held domestically was 90% as of DecemberÂ 28, 2024, and 77% as of DecemberÂ 30, 2023.Our operating, investing and financing cash flow activities for 2024 and 2023 were as follows:December 28, 2024December 30, 2023Â (In millions)Net cash provided by (used in):Operating activities$3,041Â $1,667Â Investing activities(1,101)(1,423)Financing activities(2,062)(1,146)Net decrease in cash, cash equivalents and restricted cash(122)(902)We have $3.0 billion available under an unsecured revolving credit facility that expires on April 29, 2027. No funds were drawn from this credit facility during the year ended DecemberÂ 28, 2024.49Table of ContentsWe also have a commercial paper program to issue unsecured commercial paper notes up to a maximum principal amount outstanding, at any time, of $3.0 billion, with a maturity of up to 397 days from the date of issue. We did not issue any commercial paper during the year ended DecemberÂ 28, 2024.Our aggregate principal debt obligations were $1.8 billion as of DecemberÂ 28, 2024. Our 2.95% Notes with a principal amount of $750 million were repaid in June 2024 and our remaining debt will mature starting in 2030.As of DecemberÂ 28, 2024, we had unconditional purchase commitments of approximately $5.0Â billion, of which $4.5 billion are in fiscal year 2025. Our contractual obligations and purchase commitments relate primarily to our obligations to purchase wafers and substrates from third parties and future payments related to certain software and technology licenses and IP licenses. On an ongoing basis, we work with our suppliers on the timing of payments and deliveries of purchase commitments, taking into account business conditions. See Note 17 â€“ Commitments and Guarantees.On August 17, 2024, we agreed to acquire ZT Systems. Upon closing of the acquisition, we will pay approximately $3.4 billion in cash and 8,335,852 shares of AMD common stock and to the extent certain conditions are met, we will pay an additional $300 million of cash and up to 740,964 shares of AMD common stock. The acquisition is expected to close in the first half of fiscal year 2025, subject to certain regulatory approvals and other customary closing conditions. We intend to seek a strategic partner to acquire ZT Systems' manufacturing business.We believe our cash, cash equivalents, short-term investments and cash flows from operations along with our revolving credit facility and commercial paper program will be sufficient to fund operations, including capital expenditures, purchase commitments, and acquisitions over the next 12 months and beyond. We believe we will be able to access the capital markets should we require additional funds. However, we cannot assure that such funds will be available on favorable terms, or at all.Operating ActivitiesOur working capital cash inflows and outflows from operations consist primarily of cash collections from our customers, payments for inventory purchases and payments for employee-related expenditures.Net cash provided by operating activities was $3Â billion in 2024, primarily due to our net income of $1.6Â billion in 2024, adjusted for non-cash adjustments of $3.5Â billion and net cash outflows of $2.1Â billion from changes in our operating assets and liabilities. The primary drivers of the changes in operating assets and liabilities included a $1.9Â billion increase in accounts receivable driven primarily by higher revenue in the last month of 2024 compared to the last month of 2023, and a $1.5Â billion increase in inventories driven primarily by a build of inventory to support the ramp of new products in advanced process nodes.Net cash provided by operating activities was $1.7 billion in 2023, primarily due to our net income of $854 million in 2023, adjusted for non-cash adjustments of $3.9 billion and net cash outflows of $3 billion from changes in our operating assets and liabilities. The primary drivers of the changes in operating assets and liabilities included a $1.3Â billion increase in accounts receivable driven primarily by higher revenue in the last month of 2023 compared to the last month of 2022, and a $580Â million increase in inventories driven primarily by a build of inventory to support the ramp of new products in advanced process nodes.Investing ActivitiesNet cash used in investing activities wasÂ $1.1 billionÂ in 2024, which primarily consisted of cash used for purchases of short-term investments of $1.5Â billion, $636Â million for purchases of property and equipment, and cash used in acquisitions, net of cash acquired of $548Â million, partially offset by proceeds from maturities of short-term investments of $1.4Â billion and sale of short-term investments of $616 million.Net cash used in investing activities was $1.4 billion in 2023, which primarily consisted of cash used for purchases of short-term investments of $3.7 billion, $546 million for purchases of property and equipment, and cash used in acquisitions, net of cash acquired of $131 million, partially offset by proceeds from maturities of short-term investments of $2.7 billion and the sale of short-term investments of $300 million.50Table of ContentsFinancing ActivitiesNet cash used in financing activities was $2.1 billion in 2024, which primarily consisted of common stock repurchases of $862 million under the Repurchase Program, repurchases to cover tax withholding on employee equity plans of $728 million, and repayment of the 2.95% Notes of $750 million, partially offset by proceeds from the issuance of common stock under our employee equity plans of $279Â million. Net cash used in financing activities was $1.1 billion in 2023, which primarily consisted of common stock repurchases of $985 million under the Repurchase Program and repurchases to cover tax withholding on employee equity plans of $427 million, partially offset by proceeds from the issuance of common stock under our employee equity plans of $268 million.Off-Balance Sheet ArrangementsAs of DecemberÂ 28, 2024, we had no off-balance sheet arrangements.51Table of ContentsITEMÂ 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISKÂ Â Â Â Interest Rate Risk.Â Our exposure to market risk for changes in interest rates relates primarily to our investment portfolio and long-term debt. We usually invest our cash in investments with short maturities or with frequent interest reset terms. Accordingly, our interest income fluctuates with short-term market conditions. As of DecemberÂ 28, 2024, our investment portfolio consisted of fixed income instruments, time deposits and commercial paper. Our primary aim with our investment portfolio is to invest available cash while preserving principal and meeting liquidity needs. In accordance with our investment policy, we place investments with high credit quality issuers and limit the amount of credit exposure to any one issuer based upon the issuer's credit rating. These securities are subject to interest rate risk and will decrease in value if market interest rates increase. A hypothetical 50 basis-point (half percentage point) increase or decrease in interest rates compared to rates on DecemberÂ 28, 2024 would have affected the fair value of our cash equivalent and investment portfolio by approximately $6 million. As of DecemberÂ 28, 2024, all of our outstanding long-term debt had fixed interest rates. Consequently, our exposure to market risk for changes in interest rates on reported interest expense and corresponding cash flows is minimal.We will continue to monitor our exposure to interest rate risk.Default Risk.Â We mitigate default risk in our investment portfolio by investing in only high credit quality securities and by constantly positioning our portfolio to respond to a significant reduction in a credit rating of any investment issuer or guarantor. Our portfolio includes investments in marketable debt securities with active secondary or resale markets to ensure portfolio liquidity. We are averse to principal loss and strive to preserve our invested funds by limiting default risk and market risk.We actively monitor market conditions and developments specific to the securities and security classes in which we invest. We believe that we take a conservative approach to investing our funds in that we invest only in highly-rated debt securities with relatively short maturities and do not invest in securities which we believe involve a higher degree of risk. As of DecemberÂ 28, 2024, all of our investments in debt securities were A-rated by at least one of the rating agencies. While we believe we take prudent measures to mitigate investment-related risks, such risks cannot be fully eliminated as there are circumstances outside of our control.Foreign Exchange Risk.Â As a result of our foreign operations, we incur costs and we carry assets and liabilities that are denominated in foreign currencies, while sales of products are primarily denominated in U.S. dollars. We maintain a foreign currency hedging strategy which uses derivative financial instruments to mitigate the risks associated with changes in foreign currency exchange rates. This strategy takes into consideration all of our exposures. We do not use derivative financial instruments for trading or speculative purposes. The following table provides information about our foreign currency forward contracts as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023. All of our foreign currency forward contracts mature within 24 months.Â December 28, 2024December 30, 2023NotionalAmountAverageContractRateEstimatedFairÂ ValueGainÂ (Loss)NotionalAmountAverageContractRateEstimatedFairÂ ValueGainÂ (Loss)Â (In millions except contract rates)Foreign currency forward contracts:Chinese Renminbi$524Â 6.9946Â (9)655Â 6.7593Â $(10)Canadian Dollar732Â 1.3623Â (29)645Â 1.3479Â 11Â Indian Rupee700Â 85.9050Â (6)514Â 84.6922Â 1Â Taiwan Dollar28Â 29.1567Â â€”Â 171Â 29.3064Â (3)Singapore Dollar360Â 1.3036Â (8)495Â 1.3314Â 6Â Euro283Â 0.8908Â (7)303Â 0.9017Â 1Â Pound Sterling148Â 0.7762Â (2)167Â 0.8057Â 2Â Malaysian Ringgit73Â 4.2295Â (3)â€”Â â€”Â â€”Â Total$2,848Â (66)2,950Â $8Â 52Table of ContentsITEMÂ 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATAAdvanced Micro Devices, Inc.Consolidated Statements of OperationsÂ Year EndedDecember 28,2024December 30,2023December 31,2022Â (InÂ millions,Â exceptÂ perÂ shareÂ amounts)Net revenue$25,785Â $22,680Â $23,601Â Cost of sales12,114Â 11,278Â 11,550Â Amortization of acquisition-related intangibles946Â 942Â 1,448Â Total cost of sales13,060Â 12,220Â 12,998Â Gross profit12,725Â 10,460Â 10,603Â Research and development6,456Â 5,872Â 5,005Â Marketing, general and administrative2,783Â 2,352Â 2,336Â Amortization of acquisition-related intangibles1,448Â 1,869Â 2,100Â Restructuring charges186Â â€”Â â€”Â Licensing gain(48)(34)(102)Operating income1,900Â 401Â 1,264Â Interest expense(92)(106)(88)Other income (expense), net181Â 197Â 8Â Income before income taxes and equity income 1,989Â 492Â 1,184Â Income tax provision (benefit)381Â (346)(122)Equity income in investee33Â 16Â 14Â Net income$1,641Â $854Â $1,320Â Earnings per shareÂ Â Basic$1.01Â $0.53Â $0.85Â Â Â Diluted$1.00Â $0.53Â $0.84Â Shares used in per share calculationÂ Â Basic1,620Â 1,614Â 1,561Â Â Â Diluted1,637Â 1,625Â 1,571Â See accompanying notes to the Consolidated Financial Statements.53Table of ContentsAdvanced Micro Devices, Inc.Consolidated Statements of Comprehensive IncomeYear EndedDecember 28,2024December 30,2023December 31,2022Â (InÂ millions)Net income$1,641Â $854Â $1,320Â Other comprehensive income (loss), net of taxNet change in unrealized gains (losses) on cash flow hedges(59)31Â (38)Total comprehensive income$1,582Â $885Â $1,282Â See accompanying notes to the Consolidated Financial Statements.54Table of ContentsAdvanced Micro Devices, Inc.Consolidated Balance SheetsÂ December 28,2024December 30,2023Â (InÂ millions,Â except par value amounts)ASSETSCurrent assets:Cash and cash equivalents$3,787Â $3,933Â Short-term investments1,345Â 1,840Â Accounts receivable, net6,192Â 4,323Â Inventories5,734Â 4,351Â Receivables from related parties113Â 9Â Prepaid expenses and other current assets1,878Â 2,312Â Total current assets19,049Â 16,768Â Property and equipment, net1,802Â 1,589Â Operating lease right-of-use assets623Â 633Â Goodwill24,839Â 24,262Â Acquisition-related intangibles18,930Â 21,363Â Investment: equity method149Â 99Â Deferred tax assets, net688Â 366Â Other non-current assets3,146Â 2,805Â Total assets$69,226Â $67,885Â LIABILITIES AND STOCKHOLDERSâ€™ EQUITYCurrent liabilities:Accounts payable$1,990Â $2,055Â Payables to related parties476Â 363Â Accrued liabilities4,260Â 3,082Â Current portion of long-term debt, netâ€”Â 751Â Other current liabilities555Â 438Â Total current liabilities7,281Â 6,689Â Long-term debt, net of current portion1,721Â 1,717Â Long-term operating lease liabilities491Â 535Â Deferred tax liabilities349Â 1,202Â Other long-term liabilities1,816Â 1,850Â Commitments and Contingencies (see Notes 17 and 18)Stockholdersâ€™ equity:Capital stock:Common stock, par value $0.01; shares authorized: 2,250; shares issued: 1,680 and 1,663; shares outstanding: 1,622 and 1,61617Â 17Â Additional paid-in capital61,362Â 59,676Â Treasury stock, at cost (shares held: 58 and 47)(6,106)(4,514)Retained earnings2,364Â 723Â Accumulated other comprehensive loss(69)(10)Total stockholdersâ€™ equity57,568Â 55,892Â Total liabilities and stockholdersâ€™ equity$69,226Â $67,885Â See accompanying notes to the Consolidated Financial Statements.55Table of ContentsAdvanced Micro Devices, Inc.Consolidated Statements of Stockholdersâ€™ EquityÂ Year EndedDecember 28,2024December 30,2023December 31,2022(InÂ millions)Capital stockCommon stockBalance, beginning of period$17Â $16Â $12Â Common stock issued under employee equity plansâ€”Â 1Â â€”Â Issuance of common stock as consideration for acquisitionâ€”Â â€”Â 4Â Balance, end of period$17Â $17Â $16Â Additional paid-in capitalBalance, beginning of period$59,676Â $58,005Â $11,069Â Common stock issued under employee equity plans279Â 273Â 167Â Stock-based compensation1,407Â 1,384Â 1,080Â Issuance of common stock to settle convertible debtâ€”Â 1Â â€”Â Issuance of common stock as consideration for acquisitionâ€”Â â€”Â 45,372Â Fair value of replacement share-based awards related to acquisitionâ€”Â â€”Â 275Â Issuance of common stock warrantsâ€”Â 13Â 42Â Balance, end of period$61,362Â $59,676Â $58,005Â Treasury stockBalance, beginning of period$(4,514)$(3,099)$(2,130)Repurchases of common stock(862)(985)(3,702)Reissuance of treasury stock as consideration for acquisitionâ€”Â â€”Â 3,138Â Common stock repurchases for tax withholding on employee equity plans(730)(430)(405)Balance, end of period$(6,106)$(4,514)$(3,099)Retained earnings (accumulated deficit)Balance, beginning of period$723Â (131)(1,451)Net income1,641Â 854Â 1,320Â Balance, end of period$2,364Â $723Â $(131)Accumulated other comprehensive lossBalance, beginning of period(10)(41)$(3)Other comprehensive income (loss)(59)31Â (38)Balance, end of period(69)(10)$(41)Total stockholders' equity$57,568Â $55,892Â $54,750Â See accompanying notes to the Consolidated Financial Statements.56Table of ContentsAdvanced Micro Devices, Inc.Consolidated Statements of Cash FlowsYearÂ EndedDecember 28,2024December 30,2023December 31,2022(In millions)Cash flows from operating activities:Net income$1,641Â $854Â $1,320Â Adjustments to reconcile net income to net cash provided by operating activities:Depreciation and amortization671Â 642Â 626Â Amortization of acquisition-related intangibles2,393Â 2,811Â 3,548Â Stock-based compensation1,407Â 1,384Â 1,081Â Amortization of operating lease right-of-use assets113Â 98Â 88Â Amortization of inventory fair value adjustmentâ€”Â 3Â 189Â Deferred income taxes(1,163)(1,019)(1,505)Inventory loss at contract manufacturer65Â â€”Â â€”Â Other12Â (57)64Â Changes in operating assets and liabilities:Accounts receivable, net(1,865)(1,339)(278)Inventories(1,458)(580)(1,401)Prepaid expenses and other assets343Â (383)(2,010)Receivables from and payable to related parties, net108Â (107)366Â Accounts payable(109)(419)931Â Accrued and other liabilities883Â (221)546Â Net cash provided by operating activities3,041Â 1,667Â 3,565Â Cash flows from investing activities:Purchases of property and equipment(636)(546)(450)Purchases of short-term investments(1,493)(3,722)(2,667)Proceeds from maturity of short-term investments1,416Â 2,687Â 4,310Â Proceeds from sale of short-term investments616Â 300Â â€”Â Cash received from acquisition of Xilinxâ€”Â â€”Â 2,366Â Acquisitions, net of cash acquired(548)(131)(1,544)Related party equity method investment(17)â€”Â â€”Â Issuance of loan to related party(100)â€”Â â€”Â Purchases of strategic investments(341)(11)(5)Other2Â â€”Â (11)Net cash provided by (used in) investing activities(1,101)(1,423)1,999Â Cash flows from financing activities:Proceeds from debt, net of issuance costsâ€”Â â€”Â 991Â Repayment of debt(750)â€”Â (312)Proceeds from sales of common stock through employee equity plans279Â 268Â 167Â Repurchases of common stock(862)(985)(3,702)Stock repurchases for tax withholding on employee equity plans(728)(427)(406)Other(1)(2)(2)Net cash used in financing activities(2,062)(1,146)(3,264)Net increase (decrease) in cash, cash equivalents and restricted cash(122)(902)2,300Â Cash, cash equivalents and restricted cash at beginning of year3,933Â 4,835Â 2,535Â Cash, cash equivalents and restricted cash at end of year$3,811Â $3,933Â $4,835Â 57Table of ContentsAdvanced Micro Devices, Inc.Consolidated Statements of Cash FlowsYearÂ EndedDecember 28,2024December 30,2023December 31,2022Â (In millions)Supplemental cash flow information:Cash paid during the year for:Interest$72Â $84Â $85Â Income taxes, net of refund$1,386Â $523Â $685Â Non-cash investing and financing activities:Purchases of property and equipment, accrued but not paid$144Â $106Â $157Â Issuance of common stock and treasury stock for the acquisition of Xilinx$â€”Â $â€”Â $48,514Â Fair value of replacement share-based awards related to acquisition of Xilinx$â€”Â $â€”Â $275Â Non-cash activities for leases:Operating lease right-of-use assets acquired by assuming related liabilities$102Â $273Â $115Â Reconciliation of cash, cash equivalents, and restricted cashCash and cash equivalents$3,787Â $3,933Â $4,835Â Restricted cash included in Prepaid expenses and other current assets24Â â€”Â â€”Â Total cash, cash equivalents, and restricted cash$3,811Â $3,933Â $4,835Â See accompanying notes to the Consolidated Financial Statements.58Table of ContentsAdvanced Micro Devices, Inc.Notes to Consolidated Financial StatementsNOTE 1 â€“Â The CompanyAdvanced Micro Devices, Inc. is a global semiconductor company. References herein to AMD or the Company mean Advanced Micro Devices, Inc. and its consolidated subsidiaries. AMDâ€™s products include Artificial Intelligence (AI) Accelerators, x86 microprocessors (CPUs) and graphics processing units (GPUs), as standalone devices or as incorporated into accelerated processing units (APUs), chipsets, data center and professional GPUs, embedded processors, semi-custom System-on-Chip (SoC) products, microprocessor and SoC development services and technology, data processing units (DPUs), Field Programmable Gate Arrays (FPGAs), System on Modules (SOMs), Smart Network Interface Cards (SmartNICs), and Adaptive SoC products. From time to time, the Company may also sell or license portions of its intellectual property (IP) portfolio. NOTE 2 â€“ Basis of Presentation and Significant Accounting PoliciesFiscal Year.Â The Company uses a 52- or 53-week fiscal year ending on the last Saturday in December. Fiscal years 2024, 2023 and 2022 ended on DecemberÂ 28, 2024, DecemberÂ 30, 2023 and DecemberÂ 31, 2022, respectively. Fiscal years 2024 and 2023 each consisted of 52 weeks, while fiscal year 2022 consisted of 53 weeks.Principles of Consolidation.Â The Consolidated Financial Statements include the Companyâ€™s accounts and those of its wholly-owned subsidiaries. Upon consolidation, all inter-company accounts and transactions have been eliminated.Reclassification and Change in Presentation. Unbilled receivables of $1.1 billion as of December 30, 2023 were reclassified from within Accounts receivable, net to within Prepaid expenses and other current assets on the Companyâ€™s Consolidated Balance Sheets and in the Statements of Cash Flows to conform to current period presentation. Use of Estimates.Â The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results are likely to differ from those estimates, and such differences may be material to the financial statements. Areas where management uses subjective judgment include, but are not limited to, revenue allowances, inventory valuation, valuation of goodwill and long-lived and intangible assets, and income taxes.Revenue RecognitionRevenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the Company expects to receive in exchange for those goods or services. Sales, value-added, and other taxes collected concurrently with the provision of goods or services are excluded from revenue. Shipping and handling costs associated with product sales are included in cost of sales. Substantially all of the Companyâ€™s revenue is derived from product sales.Customers are generally required to pay for products and services within the Companyâ€™s standard contractual terms, which are typically net 30 to 60 days. The Company has determined that it does not have significant financing components in its contracts with customers.Non-custom productsThe Company transfers control and recognizes revenue when non-custom products are shipped to customers, which includes original equipment manufacturers (OEM) and distributors, in accordance with the shipping terms of the sale. Certain OEMs may be entitled to rights of return and rebates under OEM agreements. The Company also sells to distributors under terms allowing the majority of distributors certain rights of return and price protection on unsold merchandise held by them. The Company estimates the amount of variable consideration under OEM and distributor arrangements and, accordingly, records a provision for product returns, allowances for price protection and rebates based on actual historical experience and any known events. 59Table of ContentsThe Company offers incentive programs to certain customers, including cooperative advertising, marketing promotions, volume-based incentives and special pricing arrangements. Where funds provided for such programs can be estimated, the Company recognizes a reduction to revenue at the time the related revenue is recognized; otherwise, the Company recognizes such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where the Company reimburses a customer for a portion of the customerâ€™s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition.Constraints of variable consideration have not been material.Custom productsCustom products, which are primarily associated with the Companyâ€™s Gaming segment, are sold under non-cancellable purchases orders, for which the Company has an enforceable right to payment, and which have no alternative use to the Company at contract inception, are recognized as revenue, over the time of production of the products by the Company. The Company utilizes a cost-based input method, calculated as cost incurred plus estimated margin, to determine the amount of revenue to recognize for in-process or completed customer orders at a reporting date. The Company believes that a cost-based input method is the most appropriate manner to measure how the Company satisfies its performance obligations to customers because the effort and costs incurred best depict the Companyâ€™s satisfaction of its performance obligation.Sales of custom products are not subject to a right of return and arrangements generally involve a single performance obligation. Generally, there are no variable consideration estimates associated with custom products.Development and intellectual property licensing agreementsFrom time to time, the Company may enter into arrangements with customers that combine the provision of development services and a license to the right to use the Companyâ€™s IP. These arrangements are deemed to be single or multiple performance obligations based upon the nature of the arrangements. Revenue is recognized upon the transfer of control, over time or at a point in time, depending on the nature of the arrangements. The Company evaluates whether the licensing component is distinct. A licensing component is distinct if it is both (i) capable of being distinct and (ii) distinct in the context of the arrangement. If the license is not distinct, it is combined with the development services as a single performance obligation and recognized over time. If the license is distinct, revenue is recognized at a point in time when the customer has the ability to benefit from the license.From time to time, the Company may enter into arrangements with customers that solely involve the sale or licensing of its patents or IP. Generally, there are no performance obligations beyond transferring the designated license to the Companyâ€™s patents or IP. Accordingly, revenue is recognized at a point in time when the customer has the ability to benefit from the license.There are no variable consideration estimates associated with either combined development and IP arrangements or for standalone arrangements involving either the sale or licensing of IP.InventoriesThe Company values inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. In determining excess or obsolescence reserves for its products, the Company considers assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for its products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, the Company considers assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. The Company fully reserves for inventories and non-cancellable purchase orders for inventory deemed obsolete. The Company performs periodic reviews of inventory items to identify excess inventories on hand by comparing on-hand balances and non-cancellable purchase orders to anticipated usage using recent historical activity as well as anticipated or forecasted demand. If estimates of customer demand diminish further or market conditions become less favorable than those projected by the Company, additional inventory carrying value adjustments may be required.60Table of ContentsBusiness CombinationsThe Company is required to use the acquisition method of accounting for business combinations. The acquisition method of accounting requires the Company to allocate the purchase consideration to the assets acquired and liabilities assumed from the acquiree based on their respective fair values as of the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired and liabilities assumed is recorded as goodwill. When determining the fair values of assets acquired and liabilities assumed, management makes significant estimates and assumptions, especially with respect to intangible assets. Critical estimates in valuing intangible assets include, but are not limited to, expected future revenue growth rates and margins, future changes in technology, time to recreate customer relationships, useful lives, and discount rates. Fair value estimates are based on the assumptions that management believes a market participant would use in pricing the asset or liability. These estimates are inherently uncertain and, therefore, actual results may differ from the estimates made.GoodwillThe Company performs its goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment.The Company has the option to first perform qualitative testing to determine if it is more likely than not that the fair value of a reporting unit exceeds its carrying amount. Qualitative factors include industry and market considerations, overall financial performance, share price trends and market capitalization and Company-specific events. If the Company concludes it is more likely than not that the fair value of a reporting unit exceeds its carrying amount, the Company does not proceed to perform a quantitative impairment test. If the Company concludes it is more likely than not that the fair value of a reporting unit is less than its carrying value or elects to bypass the qualitative test, a quantitative goodwill impairment test will be performed by comparing the fair value of each reporting unit to its carrying value. If a reporting unitâ€™s fair value is determined to be less than its carrying value, a goodwill impairment charge is recognized for the amount by which the reporting unitâ€™s fair value is less than its carrying value, not to exceed the total amount of goodwill allocated to that reporting unit.Long-Lived and Intangible AssetsLong-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows.When indicators of impairment exist and assets are held for use, the Company estimates future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals. Factors affecting impairment of assets held for use include the ability of the specific assets to generate separately identifiable positive cash flows.When assets are removed from operations and held for sale, the Company estimates impairment losses as the excess of the carrying value of the assets over their fair value. Market conditions are among the factors affecting impairment of assets held for sale. Changes in any of these factors could necessitate impairment recognition in future periods for assets held for use or assets held for sale.Cash EquivalentsCash equivalents consist of financial instruments that are readily convertible into cash and have original maturities of three months or less at the time of purchase. Accounts ReceivableAccounts receivable are primarily comprised of trade receivables presented net of rebates, price protection and an allowance for credit loss. The Company manages its exposure to customer credit risk through credit limits, credit lines, ongoing monitoring procedures and credit approvals. While the Company maintains an allowance for customer credit losses, its accounts receivable write-offs have historically not been significant. 61Table of ContentsUnbilled ReceivablesUnbilled receivables are recorded within Prepaid expenses and other current assets on the Companyâ€™s Consolidated Balance Sheets. Unbilled receivables primarily represent work completed on development services and on custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, recognized as revenue but not yet invoiced to customers.InvestmentsAvailable-for-Sale Debt Securities. Investments in marketable debt securities are available for use in current operations, including those with maturity dates beyond one year, and are classified within current assets on the Consolidated Balance Sheets. Available-for-sale debt securities are recorded at fair value, with the change in unrealized gains and losses, net of tax, reported as a separate component on the Consolidated Statements of Comprehensive Income until realized. Fair value is determined based on quoted market rates when observable or utilizing data points that are observable. Securities with an amortized cost basis in excess of estimated fair value are assessed to determine what amount of the excess, if any, is caused by expected credit losses. Expected credit losses on securities are recognized in other income (expense) on the Consolidated Statements of Operations, and any remaining unrealized losses, net of tax, are included in Accumulated other comprehensive income (loss), in Consolidated Statements of Stockholdersâ€™ Equity. The Company uses the first-in, first-out method as basis of the cost of securities sold.Strategic Non-marketable Equity Securities. The Companyâ€™s investments in non-marketable securities of privately-held companies are held for long-term strategic purposes and are accounted for under the measurement alternative, defined as cost, less impairments, adjusted for subsequent observable price changes and are periodically assessed for impairment when events or circumstances indicate that a decline in value may have occurred. The Company's periodic assessment of impairment is made by considering available evidence, including the investeeâ€™s general market and industry conditions and product development status. The Company also assesses the investeeâ€™s ability to meet business milestones, its financial condition, and near-term prospects, including the rate at which the investee is using its cash, the investeeâ€™s need for possible additional funding at a lower valuation and any bona fide offer to purchase the investee. Fair Value Measurements The Companyâ€™s financial instruments are measured and recorded at fair value on a recurring basis, except for non-marketable equity investments in privately-held companies, which are generally accounted for under the measurement alternative. Fair Value HierarchyThe fair value framework requires the categorization of assets and liabilities into three levels based upon the assumptions (inputs) used to price the assets or liabilities. The guidance for fair value measurements requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:Level 1 â€” Quoted (unadjusted) prices in active markets for identical assets or liabilities.Level 2 â€” Observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.Level 3 â€” Unobservable inputs to the valuation methodology that are supported by little or no market activity and that are significant to the measurement of the fair value of the assets or liabilities. Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques, as well as significant management judgment or estimation. Property and EquipmentProperty and equipment are stated at cost. Depreciation and amortization are provided on a straight-line basis over the estimated useful lives of two to 15 years for equipment, 34 to 44 years for buildings, and leasehold improvements are measured by the shorter of the remaining terms of the leases or the estimated useful economic lives of the improvements.62Table of ContentsLeasesOperating and finance leases are recorded as right-of-use (ROU) assets and lease liabilities on the Companyâ€™s Consolidated Balance Sheets. ROU assets represent the Companyâ€™s right to use an underlying asset for the lease term and lease liabilities represent the Companyâ€™s obligation to make lease payments arising from the lease. Operating and finance lease ROU assets and liabilities are initially recognized based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses the implicit interest rate if readily determinable. When the implicit interest rate is not readily determinable, the Company uses its incremental borrowing rate, which is based on its collateralized borrowing capabilities over a similar term of the lease payments. When using the incremental borrowing rate, the Company utilizes the consolidated group incremental borrowing rate. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term. The Company has elected the accounting policy to not recognize ROU assets and lease liabilities that arise from short-term (12 months or less) leases for any class of underlying asset. Operating leases are included in operating lease ROU assets, other current liabilities, and long-term operating lease liabilities on the Companyâ€™s Consolidated Balance Sheets. The Companyâ€™s finance leases are immaterial.Foreign Currency Translation/TransactionsThe functional currency of the Companyâ€™s foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in non-U.S. dollars have been remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and historical exchange rates for non-monetary assets and liabilities. Non-U.S. dollar denominated transactions have been remeasured at average exchange rates in effect during each period, except for those cost of sales and expense transactions related to non-monetary balance sheet amounts which have been remeasured at historical exchange rates. The gains or losses from foreign currency remeasurement are included in earnings. Marketing and Advertising ExpensesAdvertising costs are expensed as incurred. In addition, the Companyâ€™s marketing and advertising expenses include certain cooperative advertising funding obligations under customer incentive programs, which costs are recorded upon agreement with customers and vendor partners. Cooperative advertising expenses are recorded as marketing, general and administrative expense to the extent the cash paid does not exceed the estimated fair value of the advertising benefit received. Any excess of cash paid over the estimated fair value of the advertising benefit received is recorded as a reduction of revenue. Total marketing and advertising expenses for 2024, 2023 and 2022 were approximately $1.2 billion, $695 million and $683 million, respectively. Stock-Based CompensationThe Company estimates stock-based compensation cost for stock options at the grant date based on the optionâ€™s fair value as calculated by the Black-Scholes model. For time-based restricted stock units (RSUs), fair value is based on the closing price of the Companyâ€™s common stock on the grant date. The Company estimates the grant-date fair value of RSUs that involve a market condition using the Monte Carlo simulation model. The Company estimates the grant-date fair value of stock to be issued under the Companyâ€™s Employee Stock Purchase plan (ESPP) using the Black-Scholes model. Compensation expense is recognized over the vesting period of the applicable award using the straight-line method, except for the compensation expense related to RSUs with performance or market conditions (PRSUs), which are recognized ratably for each vesting tranche from the service inception date to the end of the requisite service period. Forfeiture rates are estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.ContingenciesFrom time to time the Company is a defendant or plaintiff in various legal actions that arise in the normal course of business. The Company is also subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which it conducts business. In addition, the Company is a party to environmental matters including local, regional, state and federal government clean-up activities at or near locations where the Company currently or has in the past conducted business. The Company is required to assess the likelihood of any adverse judgments or outcomes to these matters as well as potential ranges of reasonably possible losses. A determination of the amount of reserves required for these commitments and contingencies that would be charged to earnings, if any, includes assessing the probability of adverse outcomes and estimating the amount of potential losses. The required reserves, if any, may change due to new developments in each matter or changes in circumstances such as a change in settlement strategy.63Table of ContentsIncome TaxesThe Company computes the provision for income taxes using the liability method and recognizes deferred tax assets and liabilities for temporary differences between financial statement and income tax bases of assets and liabilities, as well as for operating loss and tax credit carryforwards. The Company measures deferred tax assets and liabilities using tax rates applicable to taxable income in effect for the years in which those tax assets are expected to be realized or settled and provides a valuation allowance against deferred tax assets when it cannot conclude that it is more likely than not that some or all deferred tax assets will be realized. The assessment requires significant judgment and is performed in each of the applicable taxing jurisdictions. In addition, the Company recognizes tax benefits from uncertain tax positions only if it is more likely than not that they will be sustained, based on the technical merits of the positions, on examination by the jurisdictional tax authority. Interest and penalties related to income taxes are recorded within the Income tax provision (benefit) line in the Companyâ€™s Consolidated Statements of Operations. The Company is subject to the Global Intangible Low Taxed Income (GILTI) tax in the U.S. and recognizes deferred taxes for temporary basis differences that are expected to reverse as GILTI tax in future years. Recently Issued Accounting Standard Updates AdoptedIn November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Companyâ€™s fiscal year 2024 and interim periods in fiscal year 2025. The Company adopted this standard in the fourth quarter of 2024. See Note 4 - Segment Reporting for further information. Recently Issued Accounting Standard Updates Not Yet AdoptedIn December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Companyâ€™s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.In November 2024, the FASB issued ASU 2024-03 Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses. The new guidance is intended to provide investors enhanced disclosures and requires public companies to disaggregate key expense types. The update is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The disclosure updates are required to be applied prospectively with the option for retrospective application. The Company is currently evaluating the impact of this new standard on its Consolidated Financial Statements. Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.NOTE 3 â€“Â Supplemental Financial Statement InformationInventoriesDecember 28,2024December 30,2023Â (In millions)Raw materials$351Â $279Â Work in process4,289Â 3,260Â Finished goods1,094Â 812Â Total inventories$5,734Â $4,351Â 64Table of ContentsPrepaid Expenses and Other Current AssetsDecember 28,2024December 30,2023(In millions)Unbilled receivables$628Â $1,053Â Other1,250Â 1,259Â Total prepaid expenses and other current assets$1,878Â $2,312Â Property and Equipment, netDecember 28,2024December 30,2023Â (In millions)Land, building and leasehold improvements$853Â $821Â Equipment2,798Â 2,346Â Construction in progress324Â 209Â Property and equipment, gross3,975Â 3,376Â Accumulated depreciation(2,173)(1,787)Total property and equipment, net$1,802Â $1,589Â Depreciation expense for 2024, 2023 and 2022 was $454 million, $441 million and $439 million, respectively.Accrued LiabilitiesDecember 28,2024December 30,2023Â (In millions)Accrued marketing programs$1,063Â $827Â Accrued compensation and benefits1,174Â 884Â Customer-related liabilities1,349Â 788Â Other accrued and current liabilities674Â 583Â Total accrued liabilities$4,260Â $3,082Â RevenueRevenue allocated to remaining performance obligations that are unsatisfied (or partially unsatisfied) include amounts received from customers and amounts that will be invoiced and recognized as revenue in future periods for development services, IP licensing and product revenue. As ofÂ DecemberÂ 28, 2024, the aggregate transaction price allocated to remaining performance obligations under contracts with an original expected duration of more than one yearÂ wasÂ $85 million, of whichÂ $67 millionÂ is expected to be recognized in the next 12 months. The revenue allocated to remaining performance obligations does not include amounts which have an original expected duration of one year or less.Revenue recognized over time associated with custom products and development services accounted for approximately 8%, 25% and 24% of the Companyâ€™s revenue in 2024, 2023 and 2022, respectively.NOTE 4 â€“Â Segment Reporting Management, including the Chief Operating Decision Maker (CODM), who is the Companyâ€™s Chief Executive Officer, reviews and assesses operating performance using segment net revenue, consolidated cost of sales and operating expenses and operating income (loss). These performance measures include the allocation of expenses to the reportable segments based on managementâ€™s judgment. The CODM is regularly provided segment operating income to assess relative segment performance. 65Table of ContentsThe Companyâ€™s four reportable segments are:â€¢the Data Center segment, which primarily includes Artificial Intelligence (AI) accelerators, server microprocessors (CPUs), graphics processing units (GPUs), accelerated processing units (APUs), data processing units (DPUs), Field

Programmable Gate Arrays (FPGAs), Smart Network Interface Cards (SmartNICs) and Adaptive System-on-Chip (SoC) products for data centers; â€¢the Client segment, which primarily includes CPUs, APUs, and chipsets for desktops and notebooks; â€¢the Gaming segment, which primarily includes discrete GPUs, and semi-custom SoC products and development services; andâ€¢the Embedded segment, which primarily includes embedded CPUs, GPUs, APUs, FPGAs, System on Modules (SOMs), and Adaptive SoC products.From time to time, the Company may also sell or license portions of its IP portfolio.In addition to these reportable segments, the Company has an All Other category, which is not a reportable segment. This category primarily includes certain expenses and credits that are not allocated to any of the reportable segments because the CODM does not consider these expenses and credits in evaluating the performance of the reportable segments. This category primarily includes amortization of acquisition-related intangibles, employee stock-based compensation, acquisition-related and other costs, restructuring charges and licensing gain. Acquisition-related and other costs primarily include transaction costs, purchase price fair value adjustments for inventory, certain compensation charges, contract termination costs and workforce rebalancing charges.66Table of ContentsThe following table provides a summary of net revenue and operating income (loss) by segment for 2024, 2023 and 2022. Year EndedDecember 28,2024December 30,2023December 31,2022(In millions)Net revenue:Data Center$12,579Â $6,496Â $6,043Â Client7,054Â 4,651Â 6,201Â Gaming2,595Â 6,212Â 6,805Â Embedded3,557Â 5,321Â 4,552Â Total net revenue$25,785Â $22,680Â $23,601Â Cost of sales and operating expenses:Data Center$9,097Â $5,229Â $4,195Â Client 6,157Â 4,697Â 5,011Â Gaming 2,305Â 5,241Â 5,852Â Embedded2,136Â 2,693Â 2,300Â All Other4,190Â 4,419Â 4,979Â Total cost of sales and operating expenses$23,885Â $22,279Â $22,337Â Operating income (loss):Data Center$3,482Â $1,267Â $1,848Â Client897Â (46)1,190Â Gaming290Â 971Â 953Â Embedded1,421Â 2,628Â 2,252Â All Other(4,190)(4,419)(4,979)Total operating income $1,900Â $401Â $1,264Â Segment cost of sales and operating expenses primarily include material, external manufacturing, labor and marketing and advertising costs, and exclude expenses and credits that are recorded within the All Other category. The following table provides items included in All Other category:Year EndedDecember 28,2024December 30,2023December 31,2022Â (In millions)Operating loss:Â Â Amortization of acquisition-related intangibles$2,394Â $2,811Â $3,548Â Stock-based compensation expense1,407Â 1,384Â 1,081Â Acquisition-related and other costs186Â 258Â 452Â Restructuring charges186Â â€"Â â€"Â Inventory loss at contract manufacturer65Â â€"Â â€"Â Licensing gain(48)(34)(102)Total operating loss$4,190Â $4,419Â $4,979Â The Company does not discretely allocate assets to its operating segments, nor does management evaluate operating segments using discrete asset information.67Table of ContentsThe following table summarizes sales to external customers by geographic regions based on billing location of the customer:Year EndedDecember 28,2024December 30,2023December 31,2022Â (In millions)United States8,693Â 7,837Â 8,049Â China (including Hong Kong)6,231Â 3,417Â 5,207Â Singapore3,614Â 2,231Â 1,380Â Taiwan3,301Â 1,841Â 2,369Â Japan1,767Â 4,629Â 4,177Â Europe1,625Â 2,030Â 1,773Â Other regions554Â 695Â 646Â Total sales to external customers$25,785Â $22,680Â $23,601Â The following table summarizes sales to a major customer that accounted for at least 10% of the Companyâ€™s consolidated net revenue for the respective years: Year EndedSegmentDecember 28,2024December 30,2023December 31,2022Customer AGaming*18Â %16Â %*Less than 10%The following table summarizes Property and equipment, net by geographic areas:December 28,2024December 30,2023Â (In millions)United States$1,312Â $1,143Â Singapore140144Canada10484India10086Ireland4646China (including Hong Kong)3842Other countries 6244Total property and equipment, net$1,802Â $1,589Â NOTE 5 â€"Â Business CombinationsFiscal Year 2024 Acquisitions Silo AI AcquisitionOn August 9, 2024, the Company completed the acquisition of Silo AI Oy (Silo AI), an AI lab based in Finland in an all-cash transaction of $665 million. Net of closing adjustments, transaction costs and deferred cash compensation, the purchase consideration of $553 million was allocated to $19 million of identifiable intangible assets, $43 million of net liabilities assumed, and $577 million to goodwill. Goodwill was attributed to Silo AIâ€™s workforce who will help the Company accelerate the deployment and development of AI models and software solutions on AMD hardware. Silo AI financial results, which were not material, were included in the Company's Statement of Operations from the date of acquisition primarily within the Data Center segment.68Table of ContentsPending Acquisition of ZT SystemsOn August 17, 2024, the Company entered into an agreement (the Agreement) to acquire ZT Group Intâ€™l, Inc. (ZT Systems), a provider of AI and general purpose compute infrastructure for hyperscale computing companies, in a cash and stock transaction valued at approximately $4.9 billion (the Acquisition). The aggregate closing consideration payable by the Company consists of 8,335,852 shares of the Companyâ€™s common stock and $3.4 billion in cash. Contingent consideration of up to 740,964 shares of the Companyâ€™s common stock and up to $300 million of cash is payable by the Company to the extent certain conditions are met. The Agreement provides that if the Acquisition is not completed by August 17, 2025, subject to two automatic extensions until February 17, 2026, the Company will pay a termination fee of $300 million. The Acquisition is expected to close in the first half of 2025, subject to certain regulatory approvals and other customary closing conditions. The Company intends to seek a strategic partner to acquire ZT Systems' manufacturing business.Fiscal Year 2023 Acquisitions During the year ended December 30, 2023, the Company completed business acquisitions for a total consideration of $134Â million that resulted in the recognition of $49Â million of identifiable net assets and $85Â million of goodwill. The financial results of these acquired businesses, which were not material, were included in the Company's Consolidated Statements of Operations from their respective dates of acquisition under the Data Center, Client and Embedded segments.Fiscal Year 2022 Acquisitions Pensando AcquisitionOn MayÂ 26, 2022, the Company completed the acquisition of all issued and outstanding shares of Pensando, a leader in next-generation distributed computing, for a transaction valued at approximately $1.9Â billion. The recorded purchase consideration of $1.7Â billion is net of deferred cash compensation requiring future services and other customary closing adjustments. The purchase consideration was allocated to $349 million of intangible assets, $208 million of identifiable net assets, and $1.1 billion of goodwill. From the acquisition date to December 30, 2022, the Consolidated Statements of Operations include immaterial revenue and operating results attributable to Pensando, which are reported under the Data Center segment.In 2023 and 2022, Pensando acquisition-related costs of $190Â million and $102Â million were recorded under Cost of sales, Research and development, and Marketing, general and administrative expenses on the Companyâ€™s Consolidated Statements of Operations. Pensando acquisition-related costs were immaterial in 2024. Acquisition-related costs are primarily comprised of direct transaction costs, fair value adjustments for acquired inventory and certain compensation charges. Xilinx AcquisitionOn FebruaryÂ 14, 2022 (Xilinx Acquisition Date), the Company completed the acquisition of all issued and outstanding shares of Xilinx, a leading provider of adaptive computing solutions, for a total purchase consideration of $48.8Â billion ($46.4 billion, net of cash acquired of $2.4 billion). The purchase consideration was allocated to $27.3 billion of intangible assets, $1.3 billion of identifiable net liabilities, and $22.8 billion of goodwill.The Consolidated Statements of Operations include the following revenue and operating income attributable to Xilinx in 2022: 2022(In millions)Net revenue$4,612Â Operating income$2,247Â In 2022, operating income attributable to Xilinx recorded under the Embedded and Data Center segments does not include $4.2 billion of amortization of acquisition-related intangibles, employee stock-based compensation expense and acquisition-related costs, which are recorded under the â€œAll Otherâ€ segment. 69Table of ContentsIn 2023 and 2022, Xilinx acquisition-related costs of $26Â million and $350Â million were recorded under Cost of sales, Research and development, and Marketing, general and administrative expenses on the Companyâ€™s Consolidated Statements of Operations. Xilinx acquisition-related costs in 2024 were immaterial. Acquisition-related costs are primarily comprised of direct transaction costs, fair value adjustments for acquired inventory and certain compensation charges. Supplemental Unaudited Pro Forma InformationFollowing are the supplemental consolidated financial results of the Company, Xilinx and Pensando on an unaudited pro forma basis, as if the acquisitions had been consummated as of the beginning of the fiscal year 2022. December 31,2022(in millions)Net revenue$24,117Â Net income $2,311Â NOTE 6 â€" Acquisition-related Intangible Assets and GoodwillAcquisition-related Intangible Assets The following table summarizes Acquisition-related Intangible Assets:December 28, 2024December 30, 2023Gross Carrying AmountAccumulated AmortizationNet Carrying AmountGross Carrying AmountAccumulated AmortizationNet Carrying Amount(In millions)(In millions)Developed technology$13,408Â $(2,529)$10,879Â $13,390Â $(1,583)$11,807Â Customer relationships12,324Â (5,124)7,200Â 12,324Â (3,755)8,569Â Customer backlog809Â (809)â€"Â 809Â (809)â€"Â Corporate trade name65Â (65)â€"Â 65Â (65)â€"Â Product trademarks914Â (225)689Â 914Â (147)767Â Intangible assets subject to amortization27,520Â (8,752)18,768Â 27,502Â (6,359)21,143Â In-process Research and Development (IPR&D) not subject to amortization162Â â€"Â 162Â 220Â â€"Â 220Â Total acquisition-related intangible assets$27,682Â $(8,752)$18,930Â $27,722Â $(6,359)$21,363Â Acquisition-related intangible amortization expense was $2.4Â billion and $2.8Â billion in fiscal year 2024 and 2023, respectively. During the fourth quarter of fiscal year 2024, the Company determined that the fair value of certain IPR&D recorded within the Data Center segment was not recoverable resulting from actions related to the 2024 Restructuring Plan, and recorded an impairment charge of $58 million within Restructuring charges in the Companyâ€™s Consolidated Statement of Operations.70Table of ContentsBased on the carrying value of acquisition-related intangibles recorded as of DecemberÂ 28, 2024, and assuming no subsequent impairment of the underlying assets, the estimated annual amortization expense for acquisition-related intangibles is expected to be as follows:Fiscal Year(In millions)2025$2,225Â 20262,111Â 20271,993Â 20281,885Â 20291,659Â 2030 and thereafter8,895Â Total$18,768Â GoodwillThe following table summarizes changes in the carrying amount of Goodwill:December 31, 2022AcquisitionsDecember 30, 2023AcquisitionsDecemberÂ 28,2024(In millions)(In millions)Data Center$2,884Â $58Â $2,942Â $461Â $3,403Â Clientâ€"Â 18Â 18Â 108Â 126Â Gaming238Â â€"Â 238Â â€"Â 238Â Embedded21,055Â 9Â 21,064Â 8Â 21,072Â Total$24,177Â $85Â $24,262Â $577. the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units. NOTE 7 â€"Â Related Partiesâ€"Equity Joint VenturesATMP Joint VenturesThe Company holds aÂ 15%Â equity interest inÂ twoÂ joint ventures (collectively, the ATMP JV) with affiliates of Tongfu Microelectronics Co., Ltd, a Chinese joint stock company. The Company has no obligation to fund the ATMP JV. The Company accounts for its equity interests in the ATMP JV under the equity method of accounting due to its significant influence over the ATMP JV.The ATMP JV provides assembly, test, mark and packaging (ATMP) services to the Company. The Company assists the ATMP JV in its management of certain raw material inventory. The purchases from and resales to the ATMP JV of inventory under the Companyâ€™s inventory management program are reported within purchases and resales with the ATMP JV and do not impact the Companyâ€™s Consolidated Statement of Operations.The Companyâ€™s purchases from the ATMP JV during each of the years 2024 and 2023 amounted to $1.7 billion . As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the amounts payable to the ATMP JV were $476 million and $363 million, respectively, and are included in Payables to related parties on the Companyâ€™s Consolidated Balance Sheets. The Companyâ€™s resales to the ATMP JV duringÂ 2024 and 2023 amounted to $121 million and $14 million, respectively. As ofÂ DecemberÂ 28, 2024Â andÂ DecemberÂ 30, 2023, the Company had receivables from ATMP JV ofÂ $12 millionÂ and $9 million, respectively, included inÂ Receivables from related partiesÂ on the Companyâ€™s Consolidated Balance Sheets. On October 9, 2024, the Company entered into a one-year term loan agreement with one of the ATMP JVs for $100 million to provide funds for the ATMP JVâ€™s general corporate purposes. The loan bears interest, payable quarterly, at the three months term Secured Overnight Financing Rate (SOFR) plus 50 basis points. The loan is secured by the ATMP JVâ€™s receivable balance due from the Company. The loan may be extended for further terms of up to twelve months. The loan is recorded within Receivables from related parties on the Companyâ€™s Consolidated Balance Sheets.71Table of ContentsDuring 2024, 2023 and 2022, the Company recorded gains of $33 million, $16 million and $14 million in Equity income in investee on its Consolidated Statement of Operations, respectively. On August 8, 2024, the Company contributed $17 million to the ATMP JV, representing additional equity that is in proportion to the Companyâ€™s existing 15% equity interest. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the carrying value of the Companyâ€™s investment in the ATMP JV was approximately $149 million and $99 million, respectively, recorded as Investments: equity method on the Companyâ€™s Consolidated Balance Sheets. THATIC Joint VenturesThe Company holds equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third-party Chinese entity. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the carrying value of the investment was zero.In February 2016, the Company licensed certain of its intellectual property (Licensed IP) to the THATIC JV, payable over several years upon achievement of certain milestones. The Company also receives a royalty based on the sales of the THATIC JVâ€™s products developed on the basis of such Licensed IP. The Company classifies Licensed IP and royalty income associated with the February 2016 agreement as Licensing gain within operating income. During 2024 and 2023, the Company recognized $48 million and $34 million of licensing gain from royalty income under the agreement, respectively. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company had no receivables from the THATIC JV.In June 2019, the Bureau of Industry and Security of the United States Department of Commerce added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. The Company is complying with U.S. law pertaining to the Entity List designation. NOTE 8 â€"Â Debt and Revolving Credit Facility DebtThe Companyâ€™s total debt as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023 consisted of:December 28,2024December 30,2023(In millions)2.950% Senior Notes Due 2024 (2.950% Notes)$â€"Â $750Â 2.375% Senior Notes Due 2030 (2.375% Notes)750Â 750Â 3.924% Senior Notes Due 2032 (3.924% Notes)500Â 500Â 4.393% Senior Notes Due 2052 (4.393% Notes)500Â 500Â Total debt (principal amount)1,750Â 2,500Â Unamortized debt discount and issuance costs(29)(32)Total debt (net)1,721Â 2,468Â Less: current portion of long-term debt and related unamortized debt premium and issuance costsâ€"Â (751)Total long-term debt$1,721Â $1,717Â Assumed Xilinx Notes due 2024 and 2030In connection with the acquisition of Xilinx, the Company assumed $1.5 billion in aggregate principal of Xilinxâ€™s 2.950% Notes due 2024 and 2.375% Notes due 2030 (together, the Assumed Xilinx Notes) which were recorded at fair value as of the Xilinx Acquisition Date. The Assumed Xilinx Notes are general unsecured senior obligations of the Company with semi-annual fixed interest payments due on June 1 and December 1. The 2.95% Notes with a principal amount of $750 million were repaid in June 2024.3.924% Senior Notes Due 2032 and 4.393% Senior Notes Due 2052On June 9, 2022, the Company issued $1.0 billion in aggregate principal amount of 3.924% Notes and 4.393% Notes. The 3.924% Notes and 4.393% Notes are general unsecured senior obligations of the Company. The interest is payable semi-annually on June 1 and December 1 of each year, commencing on December 1, 2022. The 3.924% and 4.393% Notes are governed by the terms of an indenture dated June 9, 2022 between the Company and US Bank Trust Company, National Association as trustee. 72Table of ContentsThe Company may redeem some or all of the 3.924% Notes and 4.393% Notes prior to March 1, 2032 and December 1, 2051, respectively, at a price equal to the greater of the present value of the principal amount and future interest through the maturity of the 3.924% Notes or 4.393% Notes or 100% of the principal amount plus accrued and unpaid interest. Holders have the right to require the Company to repurchase all or a portion of the 3.924% Notes or 4.393% Notes in the event that the Company undergoes a change of control as defined in the indenture, at a repurchase price of 101% of the principal amount plus accrued and unpaid interest. Additionally, an event of default may result in the acceleration of the maturity of the 3.924% Notes and 4.393% Notes.Future Payments on Total DebtAs of DecemberÂ 28, 2024, the Companyâ€™s future debt payment obligations were as follows:Term Debt(Principal only)Year(In millions)2025 - 2029â€"Â 2030 and thereafter1,750Â Total$1,750Â Revolving Credit FacilityThe Company has $3 billion available under a revolving credit agreement, as amended, that expires on April 29, 2027 (Revolving Credit Agreement). As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company had no outstanding borrowings under the Revolving Credit Agreement. Revolving loans under the Revolving Credit Agreement can be either Secure Overnight Financing Rate (SOFR) Loans or Base Rate Loans (each as defined in the Revolving Credit Agreement) at the Company's option. Each SOFR Loan will bear interest at a rate per annum equal to the applicable SOFR plus a margin between 0.575% and 1.20%. Each Base Rate Loan will bear interest equal to the Base Rate plus a margin between 0.000% and 0.20%. The Revolving Credit Agreement also contains a sustainability-linked pricing component which provides for interest rate and facility fee reductions or increases based on the Company meeting or missing targets related to environmental sustainability, specifically greenhouse gas emissions. The Revolving Credit Agreement contains customary representations and warranties, affirmative and negative covenants, and events of default applicable to the Company and its subsidiaries. As of DecemberÂ 28, 2024, the Company was in compliance with these covenants.Commercial PaperOn November 3, 2022, the Company established a commercial paper program, under which the Company may issue unsecured commercial paper notes up to a maximum principal amount outstanding at any time of $3 billion with a maturity of up to 397 days from the date of issue. The commercial paper will be sold at a discount from par or, alternatively, will be sold at par and bear interest at rates that will vary based on market conditions at the time of issuance. During 2024 and 2023, the Company did not issue any commercial paper under the program and as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company had no commercial paper outstanding. 73Table of ContentsNOTE 9 â€"Â Financial Instruments Financial Instruments Recorded at Fair Value on a Recurring BasisDecember 28, 2024December 30, 2023(In millions)Level 1Level 2Level 3TotalLevel 1Level 2TotalCash equivalentsMoney market funds$1,496Â $â€"Â $â€"Â $1,496Â $969Â $â€"Â $969Â Corporate debt securitiesâ€"Â 806Â â€"Â 806Â â€"Â 753Â 753Â U.S. government and agency securities130Â â€"Â â€"Â 130Â 1,252Â â€"Â 1,252Â Non-U.S. government and agency securitiesâ€"Â 116Â â€"Â 116Â â€"Â 135Â 135Â Time deposits and certificates of depositsâ€"Â 107Â â€"Â 107Â â€"Â 205Â 205Â Short-term investmentsCorporate debt securitiesâ€"Â 814Â â€"Â 814Â â€"Â 506Â 506Â Time deposits and certificates of depositsâ€”Â 10Â â€”Â 10Â â€”Â 9Â 9Â Asset-backed and mortgage-backed securitiesâ€”Â 28Â â€”Â 28Â â€”Â 34Â 34Â U.S. government and agency securities332Â 82Â â€”Â 414Â 1,209Â 28Â 1,237Â Non-U.S. government and agency securitiesâ€”Â 79Â â€”Â 79Â â€”Â 54Â 54Â Other non-current assetsTime deposits and certificates of depositsâ€”Â 1Â â€”Â 1Â â€”Â 1Â 1Â Deferred compensation plan and other investments197Â â€”Â 25Â 222Â 133Â â€”Â 133Â Total assets measured at fair value$2,155Â $2,043Â $25Â $4,223Â $3,563Â $1,725Â $5,288Â Deferred compensation plan investments are primarily mutual fund investments held in a Rabbi trust established to maintain the Companyâ€™s executive deferred compensation plan.The following is a summary of cash equivalents and short-term investments: December 28, 2024December 30, 2023Cost/ Amortized CostGross Unrealized GainsGross Unrealized LossesEstimated Fair ValueCost/ Amortized CostGross Unrealized GainsGross Unrealized LossesEstimated Fair Value(in millions)(in millions)Asset-backed and mortgage-backed securities$30Â $â€”Â (2)28Â $35Â $â€”Â (2)33Â Corporate debt securities1,621Â â€”Â (1)1,620Â 1,259Â â€”Â â€”Â 1,259Â Money market funds1,496Â â€”Â â€”Â 1,496Â 969Â â€”Â â€”Â 969Â Time deposits and certificates of deposits117Â â€”Â â€”Â 117Â 214Â â€”Â â€”Â 214Â U.S. government and agency securities544Â â€”Â â€”Â 544Â 2,487Â 3Â â€”Â 2,490Â Non-U.S. government and agency securities195Â â€”Â â€”Â 195Â 189Â â€”Â â€”Â 189Â $4,003Â $â€”Â (3)4,000Â $5,153Â $3Â (2)5,154Â As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company did not have material available-for-sale debt securities which had been in a continuous unrealized loss position of more than twelve months.74Table of ContentsThe contractual maturities of investments classified as available-for-sale are as follows: December 28, 2024December 30, 2023Amortized CostFair ValueAmortized CostFair Value(In millions)(In millions)Due within 1 year$2,073Â $2,073Â $3,792Â $3,792Â Due in 1 year through 5 years406Â 405Â 361Â 364Â Due in 5 years and later27Â 26Â 32Â 30Â $2,506Â $2,504Â $4,185Â $4,186Â Financial Instruments Measured at Fair Value on a Non-Recurring BasisAs of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company had non-marketable securities in privately-held companies of $468Â million and $155Â million, respectively, which are recorded at estimated fair value based on Level 3 inputs. Financial Instruments Not Recorded at Fair Value The carrying amounts and estimated fair values of the Companyâ€™s long-term debt are as follows:Â December 28, 2024December 30, 2023Â CarryingAmountEstimatedFairÂ ValueCarryingAmountEstimatedFairÂ ValueÂ (In millions)(In millions)Current portion of long-term debt, net$â€”Â $â€”Â $751Â $741Â Long-term debt, net of current portion$1,721Â $1,543Â $1,717Â $1,630Â The estimated fair value of the Companyâ€™s long-term debt is based on Level 2 inputs of quoted prices for the Companyâ€™s debt and comparable instruments in inactive markets. The fair value of the Companyâ€™s accounts receivable, accounts payable and other short-term obligations approximate their carrying value based on existing terms. Hedging Transactions and Derivative Financial InstrumentsForeign Currency Forward Contracts Designated as Accounting HedgesThe Company enters into foreign currency forward contracts to hedge its exposure to foreign currency exchange rate risk related to future forecasted transactions denominated in currencies other than the U.S. Dollar. These contracts generally mature within 24 months and are designated as accounting hedges. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the notional value of the Companyâ€™s outstanding foreign currency forward contracts designated as cash flow hedges was $2.2 billion and $2.4 billion, respectively. The fair value of these contracts as of DecemberÂ 28, 2024 is recorded within Prepaid expenses and other current assets, Accrued liabilities and Other long-term liabilities of $6 million, $60 million and $11 million, respectively. As of DecemberÂ 30, 2023, the fair value of these contracts was recorded within Prepaid expenses and other current assets and Accrued liabilities of $24 million and $18 million, respectively.Foreign Currency Forward Contracts Not Designated as Accounting HedgesThe Company also enters into foreign currency forward contracts to reduce the short-term effects of foreign currency fluctuations on certain receivables or payables denominated in currencies other than the U.S. Dollar. These forward contracts generally mature within 3 months and are not designated as accounting hedges. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the notional value of these outstanding contracts was $642 million and $568 million, respectively. The fair value of these contracts was not material as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023. The cash flows associated with derivative instruments as cash flow hedging instruments are classified in the same category within the Consolidated Statement of Cash Flows as the cash flows of the related items.75Table of ContentsNOTE 10 â€“Â Concentrations of Credit RiskFinancial instruments that potentially subject the Company to concentrations of credit risk consist primarily of investments in time deposits, available-for-sale debt securities, equity investments and trade receivables.The Company places its investments with high credit quality financial institutions. At the time an investment is made, investments in commercial paper of industrial firms and financial institutions are rated A1, P1, F1 or better. The Company invests in bonds that are rated A, A2 or better and repurchase agreements, each of which have securities of the type and quality listed above as collateral.The Company believes that concentrations of credit risk with respect to trade receivables are limited because a large number of geographically diverse customers make up the Companyâ€™s customer base, thus diluting the trade credit risk. One customer accounted for approximately 24% and another customer accounted for 16% of the total consolidated accounts receivable balance as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, respectively. However, the Company does not believe the receivable balance from these customers represents a significant credit risk based on past collection experience and review of their current credit quality. The Company is exposed to credit losses from nonperformance by counterparties on foreign currency hedge contracts. These counterparties are large global institutions, and to date, no such counterparty has failed to meet its financial obligations to the Company. NOTE 11 â€“ Earnings Per Share Basic earnings per share is computed based on the weighted-average number of shares outstanding. Diluted earnings per share is computed based on the weighted-average number of shares outstanding plus potentially dilutive shares outstanding during the period. Potentially dilutive shares are determined by applying the treasury stock method to the Companyâ€™s stock options, RSUs (including PRSUs), common stock to be issued under the ESPP and warrants. The following table sets forth the components of basic and diluted earnings per share:Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (InÂ millions,Â exceptÂ perÂ shareÂ amounts)NumeratorNet income for basic earnings per share$1,641Â $854Â $1,320Â DenominatorBasic weighted-average shares1,620Â 1,614Â 1,561Â Effect of potentially dilutive shares from employee equity plans17Â 11Â 10Â Diluted weighted-average shares1,637Â 1,625Â 1,571Â Earnings per share:Basic$1.01Â $0.53Â $0.85Â Diluted$1.00Â $0.53Â $0.84Â Potential shares from employee equity plans totaling 1 million, 6 million and 16Â million weighted-average shares for 2024, 2023 and 2022, respectively, were not included in the earnings per share calculation because their inclusion would have been anti-dilutive.76Table of ContentsNOTE 12 â€“Â Common Stock and Stock-Based CompensationCommon StockShares of common stock outstanding were as follows:Year EndedDecember 28,2024December 30,2023December 31,2022(InÂ millions)Balance, beginning of period1,616Â 1,612Â 1,207Â Common stock issued in the acquisition of Xilinxâ€”Â â€”Â 429Â Common stock issued under employee equity plans17Â 17Â 17Â Repurchases of common stock(6)(10)(36)Common stock repurchases for tax withholding on equity awards(5)(4)(5)Issuance of common stock upon warrant exerciseâ€”Â 1Â â€”Â Balance, end of period1,622Â 1,616Â 1,612Â Stock Repurchase ProgramThe Company has an approved stock repurchase program authorizing repurchases of up to $12 billion of the Companyâ€™s common stock (Repurchase Program). During the year ended DecemberÂ 28, 2024, the Company repurchased 5.9 million shares of its common stock under the Repurchase Program for $862 million. As of DecemberÂ 28, 2024, $4.7 billion remained available for future stock repurchases under this program. This Repurchase Program does not obligate the Company to acquire any common stock, has no termination date and may be suspended or discontinued at any time.Stock-Based CompensationThe Companyâ€™s employee equity programs are intended to attract, retain and motivate highly qualified employees. On May 18, 2023, the Companyâ€™s stockholders approved the AMD 2023 Equity Incentive Plan (the 2023 Plan), which supersedes the AMD 2004 Equity Incentive Plan and the Xilinx, Inc. 2007 Equity Incentive Plan (the Prior Plans). Outstanding awards granted under the Prior Plans will continue to be governed by the terms of the Prior Plans but no awards may be made under the Prior Plans on or after May 18, 2023. Under the 2023 Plan, 87,645,874 shares of the Companyâ€™s common stock are reserved and available for delivery pursuant to awards granted under the 2023 Plan. Generally, stock options granted under the 2023 Plan vest and become exercisable over a four-year period from the date of grant and expire within seven years after the grant date. Unvested shares from the 2023 Plan that are reacquired by the Company from forfeited outstanding equity awards become available for grant and may be reissued as new awards. Under the 2023 Plan, the Company can grant (i)Â stock options, and (ii)Â RSUs, including time-based RSUs and PRSUs. Stock Options. Under the 2023 Plan, nonstatutory and incentive stock options may be granted. The exercise price of the shares subject to each nonstatutory stock option and incentive stock option cannot be less than 100% of the fair market value of the Companyâ€™s common stock on the date of the grant. The exercise price of each option granted under the 2023 Plan must be paid in full at the time of the exercise.Time-based RSUs. Time-based RSUs are awards that can be granted to any employee, director or consultant and that obligate the Company to issue a specific number of shares of the Companyâ€™s common stock in the future if the vesting terms and conditions are satisfied. PRSUs. PRSUs can be granted to certain of the Companyâ€™s senior executives. The performance metrics can be financial performance, non-financial performance and/or market conditions. Each PRSU award reflects a target number of shares (Target Shares) that may be issued to an award recipient before adjusting based on the Companyâ€™s financial performance, non-financial performance and/or market conditions. The actual number of shares that a grant recipient receives at the end of the period may range fromÂ 0%Â toÂ 250%Â of the Target Shares granted, depending upon the degree of achievement of the performance target designated by each individual award.77Table of ContentsESPP. Under the 2017 Plan, eligible employees who participate in an offering period may have up to 15% of their eligible earnings withheld, up to certain limitations, to purchase shares of common stock at 85% of the lower of the fair market value on the first or the last business day of the six-month offering period. The offering periods commence in May and November each year. As of DecemberÂ 28, 2024, the Company had 60 million shares of common stock that were available for future grants and 34 million shares reserved for issuance upon the exercise of outstanding stock options or the vesting of unvested RSUs, including PRSUs, under the 2023 Plan and the Prior Plans.Valuation and ExpenseStock-based compensation expense was allocated in the Companyâ€™s Consolidated Statements of Operations as follows:Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (InÂ millions)Cost of sales$21Â $30Â $29Â Research and development1,079Â 1,002Â 697Â Marketing, general, and administrative307Â 352Â 355Â Total stock-based compensation expense before income taxes1,407Â 1,384Â 1,081Â Income tax benefit(251)(249)(179)Total stock-based compensation expense, net of income taxes$1,156Â $1,135Â $902Â Stock Options. The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was $68.38, $53.72 and $44.35 per share, respectively, using the following assumptions:December 28, 2024December 30, 2023December 31, 2022Expected volatility54.34Â %52.36% - 52.42%51.28Â %Risk-free interest rate3.80Â %3.93% - 4.11%3.00Â %Expected dividendsâ€”Â %â€”Â %â€”Â %Expected life (in years)4.984.96 - 5.044.75The Company uses a combination of the historical volatility of its common stock and the implied volatility for publicly traded options on the Companyâ€™s common stock as the expected volatility assumption. The risk-free interest rate is based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the option grant at the date closest to the option grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of employee stock options represents the weighted-average period the stock options are expected to remain outstanding.The following table summarizes stock option activity and related information:Outstanding NumberofÂ SharesWeighted-AverageExercisePriceAggregate Intrinsic ValueWeighted-Average Remaining Contractual Life(in years)Â (In millions, except share price)Balance as of December 30, 20233Â $68.33Â Grantedâ€”Â $134.27Â Forfeitedâ€”Â $102.71Â Exercised(1)$22.17Â Balance as of December 28, 20242Â $89.73Â $81Â 3.92Exercisable December 28, 20241Â $74.61Â $69Â 2.83The total intrinsic value of stock options exercised for 2024, 2023 and 2022 was $86 million, $173 million and $139 million, respectively. As of DecemberÂ 28, 2024, the Company had $41 million of total unrecognized compensation expense related to stock options, which will be recognized over the weighted-average period of 2.71 years.78Table of ContentsTime-based RSUs.Â The weighted-average grant date fair values of time-based RSUs granted during 2024, 2023 and 2022 were $141.95, $106.28 and $92.92 per share, respectively.The following table summarizes time-based RSU activity and related information:NumberofÂ SharesWeighted- Average Grant Date Fair ValueÂ (InÂ millions)Unvested shares as of December 30, 202332Â $100.65Â Granted12Â $141.95Â Forfeited(1)$107.96Â Vested(13)$101.35Â Unvested shares as of December 28, 202430Â $116.77Â The total fair value of time-based RSUs vested during 2024, 2023 and 2022 was $2.0 billion, $1.1 billion and $889 million, respectively. As of DecemberÂ 28, 2024, the Company had $2.6 billion of total unrecognized compensation expense related to time-based RSUs, which will be recognized over the weighted-average period of 2.63 years.PRSUs. The weighted-average grant date fair values of PRSUs granted during 2024, 2023 and 2022 were $118.98, $134.87 and $121.12, respectively, using the following assumptions:December 28, 2024December 30, 2023December 31, 2022Expected volatility52.68% - 53.19%51.12% - 56.22%50.65% - 53.51%Risk-free interest rate3.82% - 4.41%4.30% - 4.36%1.14%- 3.17%Expected dividendsâ€”Â %â€”Â %â€”Â %Expected term (in years)2.48 - 3.002.17 - 3.002.07 - 3.07The Company uses the historical volatility of its common stock and risk-free interest rate based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the PRSUs grant at the date closest to the grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of PRSUs represents the requisite service periods of these PRSUs.The following table summarizes PRSU activity and related information:Â NumberofÂ SharesWeighted-AverageGrant Date Fair Value(InÂ millions)Unvested shares as of December 30, 20232Â $117.65Â Granted1Â $118.98Â Forfeitedâ€”Â $132.80Â Vested(1)$91.15Â Unvested shares as of December 28, 20242Â $139.31Â The total fair value of PRSUs vested during 2024, 2023 and 2022 was $226 million, $100 million and $254 million, respectively. As of DecemberÂ 28, 2024, the Company had $154 million of total unrecognized compensation expense related to PRSUs, which will be recognized over the weighted-average period of 1.61 years.79Table of ContentsESPP. The weighted-average grant date fair value for the ESPP during 2024, 2023 and 2022 was $43.80, $31.11 and $24.71 per share, respectively, using the following assumptions:December 28, 2024December 30, 2023December 31, 2022Expected volatility48.14% - 49.38%45.74% - 49.40%58.15% - 63.76%Risk-free interest rate4.42% - 5.41%5.13% - 5.46%1.43% - 4.52%Expected dividendsâ€”Â %â€”Â %â€”Â %Expected term (in years)0.500.500.50The Company uses the historical volatility of its common stock and the risk-free interest rate based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the ESPP grant at the date closest to the ESPP grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of the ESPP represents the six-month offering period.During 2024, 2 million shares of common stock were purchased under the ESPP at an average purchase price ofÂ $111 resulting in aggregate cash proceeds ofÂ $265 million. As of DecemberÂ 28, 2024, the Company had $43Â million of total unrecognized compensation expense related to the ESPP, which will be recognized over the weighted-average period of 0.37 years.NOTE 13 â€“Â Retirement Benefit PlansThe Company provides retirement benefit plans in the United States and certain foreign countries. The Company has a 401(k) retirement plan that allows participating employees in the United States to contribute as defined by the plan and subject to Internal Revenue Service limitations. The Company matches 75% of employeesâ€™ contributions up to 6% of their eligible compensation. The Companyâ€™s contributions to the 401(k) plan for 2024, 2023 and 2022 were approximately $78 million, $70 million and $47 million, respectively.NOTE 14 â€“Â Restructuring ChargesIn the fourth quarter of 2024, the Company implemented a restructuring plan (the 2024 Restructuring Plan) focused on driving efficiencies and aligning resources with the Companyâ€™s largest growth opportunities in the AI and enterprise markets. The 2024 Restructuring Plan will primarily reduce global workforce by approximately 4% of headcount. Restructuring charges are included within the All Other category presented in Note 4 â€“ Segment Reporting. Significant asset impairment charges are discussed in Note 6 - Acquisition-related Intangible Assets and Goodwill. The Company expects actions associated with the 2024 Restructuring Plan to be substantially completed by the end of the first quarter of fiscal year 2025. As of December 28, 2024, $89 million of accrued restructuring charges are recorded within Accrued liabilities of the Companyâ€™s Consolidated Balance Sheets. The following table summarizes activities and components of liabilities related to the 2024 Restructuring Plan: Employee severance and benefitsAsset impairmentTotal(in millions)Liability as of December 30, 2023$â€”Â $â€”Â $â€”Â Current period costs113Â 73Â 186Â Cash payments(24)â€”Â (24)Non-cash chargesâ€”Â (73)(73)Liability as of December 28, 2024$89Â $â€”Â $89Â 80Table of ContentsNOTE 15 â€“Â Income TaxesIncome before income taxes consists of the following:Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (In millions)U.S.$2,369Â $454Â $2,093Â Non-U.S.(347)54Â (895)Total pre-tax income including equity income in investee$2,022Â $508Â $1,198Â The income tax provision (benefit) consists of:Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (In millions)Current:U.S. federal$1,338Â $496Â $1,191Â U.S. state and local64Â 27Â 31Â Non-U.S.142Â 150Â 161Â Total1,544Â 673Â 1,383Â Deferred:U.S. federal(311)(860)(1,365)U.S. state and local6Â (29)(26)Non-U.S.(858)(130)(114)Total(1,163)(1,019)(1,505)Income tax provision (benefit)$381Â (346)(122)The table below displays the reconciliation between statutory federal income taxes and the total income tax provision (benefit).Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (InÂ millions)Statutory federal income tax expense at 21%$425Â $107Â $252Â Tax effect from intercompany integration transaction373Â â€”Â â€”Â Foreign rate detriment (benefit)153Â (11)195Â Interest and penalty136Â 53Â 33Â State income taxes, net of federal benefit22Â (2)(3)Foreign-Derived Intangible Income (FDII) deduction(275)(185)(261)Research credits(232)(169)(241)GILTI and other foreign inclusion(133)(138)(96)Stock-based and non-deductible compensation(101)(17)

(6)Other13Â 16Â 5Â Income tax provision (benefit)$381Â (346)(122)The Company recorded an income tax provision of $381 million and an income tax benefit of $346Â million in 2024 and 2023, respectively, representing effective tax rates of 19% and (68)%, respectively. The increase in income tax provision in 2024 was primarily due to higher pre-tax income and a $373 million tax effect from an intercompany integration transaction. 81Table of ContentsBeginning in 2022, provisions in the U.S. Tax Cuts and Jobs Act of 2017 require the Company to capitalize and amortize R&D expenditures rather than deducting the costs as incurred. The capitalization resulted in an increase in 2024 and 2023 taxable income which also increased the income eligible for the FDII tax benefit. As a part of the Xilinx acquisition and as a result of certain employment and operational commitments the Company has made in Singapore, the Company has been granted a Development and Expansion Incentive (DEI) that is effective through 2031. The DEI reduces the local tax on Singapore income from a statutory rate of 17% to 5% through 2031. Due to the current year pre-tax loss in Singapore, the Company did not receive any income tax or earnings per share benefit. Deferred income taxes reflect the net tax effects of tax carryovers and temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the balances for income tax purposes. Significant components of the Companyâ€™s deferred tax assets and liabilities as of DecemberÂ 28, 2024 and DecemberÂ 30, 2023 were as follows:December 28,2024December 30,2023Â (In millions)Deferred tax assets:Capitalized R&D$2,892Â $1,753Â Net operating loss carryovers962Â 992Â Accruals and reserves not currently deductible829Â 574Â Federal and state tax credit carryovers679Â 660Â Foreign R&D and investment tax credits579Â 597Â Employee benefits not currently deductible334Â 302Â Lease liability182Â 181Â Foreign tax credits77Â 71Â Other111Â 96Â Total deferred tax assets6,645Â 5,226Â Less: valuation allowance(2,136)(2,124)Total deferred tax assets, net of valuation allowance4,509Â 3,102Â Deferred tax liabilities:Acquired intangibles (3,614)(3,104)GILTI(222)(524)Right-of-use assets(182)(175)Other(152)(135)Total deferred tax liabilities(4,170)(3,938)Net deferred tax assets (liabilities)$339Â $(836)During 2024, the Company executed an intercompany integration transaction and remeasured associated deferred taxes, resulting in increases to the deferred tax liability for acquisition-related intangibles and the deferred tax asset for Capitalized R&D, partially offset by a decrease in the deferred tax liability for GILTI.The movement in the deferred tax valuation allowance was as follows:December 28, 2024December 30, 2023December 31, 2022Â (InÂ millions)Balance at beginning of year$2,124Â $2,078Â $1,735Â Charges to income tax expense and other accounts9Â 41Â 112Â Acquisition-related3Â 5Â 231Â Balance at end of year$2,136Â $2,124Â $2,078Â 82Table of ContentsThrough the end of fiscal year 2024, the Company continued to maintain a valuation allowance of approximately $2.1 billion for certain federal, state, and foreign tax attributes. The federal valuation allowance maintained is due to limitations under Internal Revenue Code Section 382 or 383, separate return loss year rules, or dual consolidated loss rules. Certain state and foreign valuation allowance maintained is due to lack of sufficient sources of future taxable income. The Companyâ€™s U.S. federal and state net operating losses (NOLs) carryforwards as of DecemberÂ 28, 2024, were $134 million and $362 million, respectively.Â NOLs may be subject to limitations by the Internal Revenue Code and similar provisions. $27 million of U.S. federal NOLs will expire between 2025 and 2037, and $107 million of federal NOLs have no expiration date. State NOLs will expire at various dates through 2043. The difference between the amount of federal NOLs which are recorded on the Companyâ€™s Consolidated Balance Sheets as deferred tax assets and their related valuation allowance, and the amounts reported on the Companyâ€™s tax returns are the result of uncertain tax positions the Company has taken for which an income tax reserve has been recorded. The federal tax credits of $12Â million will expire at various dates between 2037 and 2042. The state tax return credits of $804Â million will expire at various dates between 2025 and 2039, except for the California R&D credit, which does not expire.Â The Company also has $620Â million of credit carryforward in Canada that will expire between 2028 and 2044. A reconciliation of the Company's gross unrecognized tax benefits was as follows:December 28, 2024December 30, 2023December 31, 2022Â (In millions)Balance at beginning of year$1,463Â $1,361Â $275Â Increases for tax positions taken in the current year57Â 53Â 748Â Increases for tax positions taken in prior years24Â 57Â 104Â Decreases for tax positions taken in prior years(18)(8)(12)Increases to tax positions taken in prior years through acquisitionsâ€”Â â€”Â 252Â Decreases for settlements with taxing authorities and statute of limitation lapses (28)â€”Â (6)Balance at end of year$1,498Â $1,463Â $1,361Â The amount of unrecognized tax benefits that would impact the effective tax rate if recognized was $1.3Â billion, $1.3Â billion and $1.2 billion as of DecemberÂ 28, 2024, DecemberÂ 30, 2023 and DecemberÂ 31, 2022, respectively. The Company had $298 million, $142 million and $81 million of accrued penalties and interest related to unrecognized tax benefits as of DecemberÂ 28, 2024, DecemberÂ 30, 2023 and DecemberÂ 31, 2022, respectively. As of DecemberÂ 28, 2024 and DecemberÂ 30, 2023, the Company had long-term income tax liabilities related to unrecognized tax benefits of $1.4Â billion, recorded under Other long-term liabilities in the Companyâ€™s Consolidated Balance Sheets. The Company is subject to taxation in the U.S. and foreign jurisdictions. Earnings from non-U.S. activities are subject to local country income tax. The material jurisdiction in which the Company is subject to potential examination by the taxing authority is the United States, where tax years from 2008 are open for audit. Pre-acquisition Xilinx U.S. tax returns for fiscal years 2018 and 2019 are currently under audit by the IRS. It is possible the Company may have tax audits close in the next 12 months that could materially change the balance of the uncertain tax benefits; however, the timing of tax audit closures and settlements are highly uncertain. Under current U.S. tax law, the impact of future distributions of undistributed earnings that are indefinitely reinvested are anticipated to be subject to withholding taxes from local jurisdictions and non-conforming U.S. state jurisdictions. There were no cumulative undistributed earnings that are indefinitely reinvested that could be subject to withholding taxes as of DecemberÂ 28, 2024.83Table of ContentsNOTE 16 â€“Â Other Income (Expense), NetThe following table summarizes the components of Other income (expense), net:Year EndedDecember 28, 2024December 30, 2023December 31, 2022Â (In millions)Interest income$182Â $206Â $65Â Gains (losses) on equity investments, net2Â (1)(62)Other income (expense)(3)(8)5Â Other income (expense), net$181Â $197Â $8Â NOTE 17 â€“Â Commitments and Guarantees Operating LeasesThe Company has entered into operating and finance leases for its corporate offices, data centers, research and development facilities and certain equipment. The leases expire at various dates through 2038, some of which include options to extend the lease for up to ten years.For 2024, 2023 and 2022, the Company recorded $147 million, $127 million and $118 million, respectively, of operating lease expense, including short-term lease expense. For 2024, 2023, and 2022, the Company recorded $83 million, $46 million, and $40 million respectively, of variable lease expense, which primarily included operating expenses and property taxes associated with the usage of facilities under the operating leases. For 2024, 2023, and 2022 cash paid for operating leases included in operating cash flows was $155 million $147 million and $108 million, respectively. The Companyâ€™s finance and short-term leases are immaterial to the Companyâ€™s consolidated financial statements. Supplemental information related to leases is as follows:December 28, 2024Weighted-average remaining lease term in years â€“ operating leases7.28Weighted-average discount rate â€“ operating leases4.63Â %Future minimum lease payments under non-cancellable operating lease liabilities as ofÂ DecemberÂ 28, 2024Â are as follows:Year(InÂ millions)2025$134Â 2026135Â 202794Â 202866Â 202960Â 2030 and thereafter235Â Â Â Â Â Â Â Â Â Total minimum lease payments724Â Less: interest(124)Â Â Â Â Â Â Â Â Present value of net minimum lease payments600Â Less: current portion(109)Â Â Â Â Â Â Â Â Total long-term operating lease liabilities$491Â Certain other operating leases contain provisions for escalating lease payments subject to changes in the consumer price index. 84Table of ContentsCommitmentsThe Companyâ€™s purchase commitments primarily include the Companyâ€™s obligations to purchase wafers and substrates from third parties and future payments related to certain software and technology licenses and IP licenses. Purchase commitments include obligations made under noncancellable purchase orders and contractual obligations requiring minimum purchases or for which cancellation would lead to significant penalties.Total future unconditional purchase commitments as of DecemberÂ 28, 2024 were as follows:Â Year(InÂ millions)2025$4,501Â 2026274Â 202746Â 202846Â 202945Â 2030 and thereafter56Â Â Total unconditional purchase commitments$4,968Â On an ongoing basis, the Company works with suppliers on the timing of payments and deliveries of purchase commitments, taking into account business conditions.Warranties and IndemnitiesThe Company generally warrants that its products sold to its customers will conform to its approved specifications and be free from defects in material and workmanship under normal use and conditions for one year. The Company may also offer, in general, one to three-year limited warranties based on product type and negotiated warranty terms with certain customers. The Company accrues warranty costs to Cost of sales at the time of sale of warranted products. Changes in the Companyâ€™s estimated liability for product warranty during 2024 and 2023 are as follows:December 28,2024December 30,2023Â (In millions)Beginning balance$85Â $65Â Provisions during the period213Â 126Â Settlements during the period(110)(106)Ending balance$188Â $85Â In addition to product warranties, the Company from time to time in its normal course of business indemnifies other parties with whom it enters into contractual relationships, including customers, lessors and parties to other transactions with the Company, with respect to certain matters. In these limited matters, the Company has agreed to hold certain third parties harmless against specific types of claims or losses such as those arising from a breach of representations or covenants, third-party claims that the Companyâ€™s products when used for their intended purpose(s) and under specific conditions infringe the intellectual property rights of a third party, or other specified claims made against the indemnified party. It is not possible to determine the maximum potential amount of liability under these indemnification obligations due to the unique facts and circumstances that are likely to be involved in each particular claim and indemnification provision. Historically, payments made by the Company under these obligations have not been material. In addition, the impact from changes in estimates for pre-existing warranties has been immaterial.NOTE 18 â€“Â Contingencies Litigation and Other Legal MattersAs of DecemberÂ 28, 2024, there were no material legal proceedings. 85Table of ContentsThe Company is a defendant or plaintiff in various actions that arose in the normal course of business. With respect to these matters, based on managementâ€™s current knowledge, the Company believes that the amount or range of reasonably possible loss, if any, will not, either individually or in the aggregate, have a material adverse effect on the Companyâ€™s financial condition, results of operations, or cash flows.86Table of ContentsReport of Independent Registered Public Accounting FirmTo the Stockholders and the Board of Directors of Advanced Micro Devices, Inc.Opinion on the Financial StatementsWe have audited the accompanying consolidated balance sheets of Advanced Micro Devices, Inc. (the Company) as of December 28, 2024 and December 30, 2023, the related consolidated statements of operations, comprehensive income, stockholdersâ€™ equity and cash flows for each of the three years in the period ended December 28, 2024, and the related notes (collectively referred to as the â€œconsolidated financial statementsâ€). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at December 28, 2024 and December 30, 2023, and the results of its operations and its cash flows for each of the three years in the period ended December 28, 2024, in conformity with U.S. generally accepted accounting principles.We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Companyâ€™s internal control over financial reporting as of December 28, 2024, based on criteria established in Internal Controlâ€”Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework), and our report dated February 5, 2025 expressed an unqualified opinion thereon.Basis for OpinionThese financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Companyâ€™s financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.Critical Audit MatterThe critical audit matter communicated below is a matter arising from the current period audit of the financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of the critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.87Table of ContentsInventory ValuationDescription of the MatterAt December 28, 2024, the Companyâ€™s net inventory balance was $5,734 million. As discussed in Note 2 to the consolidated financial statements, the Company adjusts the inventory carrying value to the lower of actual cost or the estimated net realizable value after completing ongoing reviews of on-hand inventory quantities exceeding forecasted demand, and by considering recent historical activity as well as anticipated demand. Auditing managementâ€™s inventory excess and obsolescence reserves involved significant judgment because the estimates are based on several factors that are affected by market, industry, and competitive conditions outside the Company's control. In estimating excess and obsolescence reserves, management developed certain assumptions, including forecasted demand which are sensitive to the competitiveness of product offerings, customer requirements, and product life cycles. These significant assumptions are forward-looking and could be affected by future economic and market conditions.How We Addressed the Matter in Our AuditWe obtained an understanding, evaluated the design and tested the operating effectiveness of internal controls over the Company's inventory excess and obsolescence reserves estimation process, including the basis for developing the above-described assumptions and managementâ€™s judgments.Our audit procedures included, among others, testing the reasonableness of managementâ€™s key assumptions and judgments and testing the accuracy and completeness of the underlying data used to determine the amount of excess and obsolescence reserves. We compared the quantities and carrying value of on-hand inventories to related unit sales, both historical and forecasted, and evaluated the appropriateness and adequacy of managementâ€™s adjustments to such sales forecasts by analyzing potential technological changes in line with product life cycles. We also assessed the accuracy of forecasts underlying management's estimates by comparing managementâ€™s historical forecasts to actual results, evaluated industry and market factors and performed sensitivity analyses over the forecasted demand used by management to determine inventory excess and obsolescence reserves./s/ ErnstÂ & Young LLPWe have served as the Companyâ€™s auditor since 1970.San Jose, CaliforniaFebruaryÂ 5, 202588Table of ContentsReport of Independent Registered Public Accounting Firm To the Stockholders and the Board of Directors of Advanced Micro Devices, Inc.Opinion on Internal Control Over Financial ReportingWe have audited Advanced Micro Devices, Inc.â€™s internal control over financial reporting as of December 28, 2024, based on criteria established in Internal Controlâ€”Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Advanced Micro Devices, Inc. (the Company) maintained, in all material respects, effective internal control over financial reporting as of December 28, 2024, based on the COSO criteria.We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of December 28, 2024 and December 30, 2023, the related consolidated statements of operations, comprehensive income, stockholdersâ€™ equity and cash flows for each of the three years in the period ended December 28, 2024, and the related notes and our report dated February 5, 2025 expressed an unqualified opinion thereon.Basis for OpinionThe Companyâ€™s management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Managementâ€™s Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Companyâ€™s internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.Definition and Limitations of Internal Control Over Financial Reporting A companyâ€™s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A companyâ€™s internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the companyâ€™s assets that could have a material effect on the financial statements.89Table of ContentsBecause of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate./s/ ErnstÂ & Young LLPSan Jose, CaliforniaFebruaryÂ 5, 202590Table of ContentsITEMÂ 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURENone.ITEMÂ 9A. CONTROLS AND PROCEDURESDisclosure Controls and ProceduresWe maintain disclosure controls and procedures that are designed with the objective of providing reasonable assurance that information required to be disclosed in our reports filed under the Exchange Act, such as this Annual Report on Form 10-K is recorded, processed, summarized and reported within the time periods specified in the SECâ€™s rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating our disclosure controls and procedures, our management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives, and our management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures. As of DecemberÂ 28, 2024, the end of the period covered by this report, we carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of our disclosure controls and procedures pursuant to Exchange Act Rules 13a-15(e) and 15d-15(e). This type of evaluation is performed on a quarterly basis so that conclusions of management, including our Chief Executive Officer and Chief Financial Officer, concerning the effectiveness of the disclosure controls can be reported in our periodic reports on Form 10-Q and Form 10-K. The overall goals of these evaluation activities are to monitor our disclosure controls and to modify them, as necessary. We intend to maintain the disclosure controls as dynamic systems that we adjust as circumstances merit. Based on the foregoing, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective at the reasonable assurance level as of the end of the period covered by this report. Managementâ€™s Report on Internal Control over Financial ReportingInternal control over financial reporting refers to the process designed by, or under the supervision of, our Chief Executive Officer and Chief Financial Officer, and effected by our Board of Directors, management and other personnel, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with U.S. generally accepted accounting principles, and includes those policies and procedures that: 1.Pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of the Company; 2.Provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with U.S. generally accepted accounting principles, and that receipts and expenditures of the Company are being made only in accordance with authorizations of management and directors of the Company; and 3.Provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Companyâ€™s assets that could have a material effect on the financial statements. Internal control over financial reporting cannot provide absolute assurance of achieving financial reporting objectives because of its inherent limitations. Internal control over financial reporting is a process that involves human diligence and compliance and is subject to lapses in judgment and breakdowns resulting from human failures. Internal control over financial reporting also can be circumvented by collusion or improper management override. Because of such limitations, there is a risk that material misstatements may not be prevented or detected on a timely basis by internal control over financial reporting. However, these inherent limitations are known features of the financial reporting process. Therefore, it is possible to design into the process safeguards to reduce, though not eliminate, this risk. Management is responsible for establishing and maintaining adequate internal control over financial reporting for the Company.91Table of ContentsManagement has used the 2013 framework set forth in the report entitled â€œInternal Controlâ€”Integrated Frameworkâ€ published by the Committee of Sponsoring Organizations of the Treadway Commission to evaluate the effectiveness of the Companyâ€™s internal control over financial reporting. Management has concluded that the Companyâ€™s internal control over financial reporting was effective as of DecemberÂ 28, 2024 at the reasonable assurance level. Our independent registered public accounting firm, Ernst & Young LLP, has issued an attestation report on the Companyâ€™s internal control over financial reporting as of DecemberÂ 28, 2024, which is included in Part II, Item 8, above. Changes in Internal Control over Financial ReportingThere has been no change in our internal controls over financial reporting during our most recently completed fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal controls over financial reporting.ITEMÂ 9B. OTHER INFORMATIONDuring the quarterly period ended DecemberÂ 28, 2024, the following directors and officers adopted, modified or terminated 10b5-1 plans:Name Title of Director or OfficerActionDateTrading ArrangementTotal Shares to be SoldExpiration DateRule 10b5-1*Non-Rule 10b5â€‘1**Lisa SuChair, President and Chief Executive OfficerAdoptDecember 2, 2024X750,000December 10, 2025Mark Papermaster Executive Vice President, Chief Technology OfficerAdoptNovember 5, 2024X173,006December 31, 2025* Intended to satisfy the affirmative defense of Rule 10b5-1(c)** Not intended to satisfy the affirmative defense of Rule 10b5-1(c)ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONSNot applicable. 92Table of ContentsPART IIIITEMÂ 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCEAMD has adopted an insider trading policy governing the purchase, sale, and other dispositions of our securities by our directors, officers, employees and other individuals associated with us that we believe is reasonably designed to promote compliance with insider trading laws, rules and regulations, and any applicable listing standards. A copy of our insider trading policy is filed as Exhibit 19.1 to this Annual Report on Form 10-K.The information under the captions â€œItem 1â€”Election of Directorsâ€ (including â€œConsideration of Stockholder Nominees for Directorâ€), â€œCorporate Governance,â€ â€œMeetings and Committees of the Board of Directors,â€ â€œExecutive Officersâ€ and â€œSection 16(a) Beneficial Ownership Reporting Complianceâ€ in our proxy statement for our 2025 annual meeting of stockholders (our 2025 Proxy Statement) is incorporated herein by reference. There were no material changes to the procedures by which stockholders may recommend nominees to our board of directors. See also, â€œPart 1, ItemÂ 1-Website Access to our SEC Filings and Corporate Governance Documents,â€ above.ITEMÂ 11. EXECUTIVE COMPENSATIONThe information under the captions â€œCompensation Committee Interlocks and Insider Participation,â€ â€œDirectorsâ€™ Compensation and Benefitsâ€ (including â€œ2024 Non-Employee Director Compensationâ€), â€œCompensation DiscussionÂ and Analysis,â€ â€œExecutive Compensationâ€ (including â€œ2024 Summary Compensation Table,â€ â€œ2024 Nonqualified Deferred Compensation,â€ â€œOutstanding Equity Awards at 2024 Fiscal Year-End,â€ â€œGrants of Plan-Based Awards in 2024â€ and â€œOption Exercises and Stock Vested in 2024,â€ â€œSeverance and Change in Control Arrangementsâ€ and â€œChief Executive Officer Pay Ratioâ€), and â€œCompensation and Leadership Resources Committee Reportâ€ in our 2025 Proxy Statement is incorporated herein by reference.ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERSThe information under the captions â€œPrincipal Stockholders,â€ â€œSecurity Ownership of Directors and Executive Officersâ€ and â€œEquity Compensation Plan Informationâ€ in our 2025 Proxy Statement is incorporated herein by reference.ITEMÂ 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTOR INDEPENDENCEThe information under the captions â€œCorporate Governanceâ€”Independence of Directorsâ€ and â€œCertain Relationships and Related Transactionsâ€ in our 2025 Proxy Statement is incorporated herein by reference.ITEMÂ 14. PRINCIPAL ACCOUNTANT FEES AND SERVICESThe information under the captions â€œItem 2â€”Ratification of Appointment of Independent Registered Public Accounting Firmâ€”Independent Registered Public Accounting Firmâ€™s Feesâ€ in our 2025 Proxy Statement is incorporated herein by reference.With the exception of the information specifically incorporated by reference in Part III of this Annual Report on Form 10-K from our 2025 Proxy Statement, our 2025 Proxy Statement will not be deemed to be filed as part of this report. Without limiting the foregoing, the information under the captions â€œCompensation and Leadership Resources Committee Reportâ€ and â€œAudit and Finance Committee Reportâ€ in our 2025 Proxy Statement is not incorporated by reference in this Annual Report on Form 10-K.93Table of ContentsPART IVÂ ITEMÂ 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES1. Financial StatementsThe financial statements of AMD are set forth in ItemÂ 8 of this Annual Report on Form 10-K, as indexed below. Index to Consolidated Financial StatementsConsolidated Statements of Operations53Consolidated Statements of Comprehensive Income 54Consolidated Balance Sheets55Consolidated Statements of Stockholdersâ€™ Equity56Consolidated Statements of Cash Flows57Notes to Consolidated Financial Statements59Reports of Independent Registered Public Accounting Firm (PCAOB ID: 42)87All schedules have been omitted because the information is not required, is not applicable, or is included in the Notes to the Consolidated Financial Statements.2. ExhibitsThe exhibits listed in the accompanying Index to Exhibits are filed as part of, or incorporated by reference into, this Annual Report on Form 10-K. The following is a list of such Exhibits:ExhibitDescription of Exhibits2.1Agreement and Plan of Merger by and among Advanced Micro Devices, Inc., Thrones Merger Sub, Inc., and Xilinx, Inc. dated October 26, 2020, filed as exhibit 2.1 to AMDâ€™s Current Report on Form 8-K dated October 26, 2020, is hereby incorporated by reference.2.2Stock Purchase Agreement dated as of August 17, 2024, by and among Advanced Micro Devices, Inc., ZT Group Intâ€™l, Inc., the Sellers listed therein and Frank Zhang, as the representative of the Sellers, filed as Exhibit 2.1 to AMDâ€™s Current Report on Form 8-K dated August 19, 2024, is hereby incorporated by reference.3.1Amended and Restated Certificate of Incorporation of Advanced Micro Devices, Inc., dated May 2, 2018, filed as Exhibit 3.1 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended June 30, 2018, is hereby incorporated by reference.3.2Advanced Micro Devices, Inc. Amended and Restated Bylaws, as amended on February 13, 2024 filed as Exhibit 3.1 to AMDâ€™s Current Report on Form 8-K dated February 20, 2024, is hereby incorporated by reference.4.1Description of Advanced Micro Devices, Inc. Common Stock, filed as Exhibit 4.1 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended June 25, 2022, is hereby incorporated by reference.4.2Indenture by and among Advanced Micro Devices, Inc. and Wells Fargo Bank N.A., dated September 14, 2016, filed as Exhibit 4.1 to AMD's Current Report on Form 8-K dated September 14, 2016, is hereby incorporated by reference.4.3First Supplemental Indenture governing 2.125% Convertible Senior Notes due 2026, including Form of 2.125% Note, between Advanced Micro Devices, Inc. and Wells Fargo Bank, N.A. dated September 14, 2016, filed as Exhibit 4.2 to AMD's Current Report on Form 8-K dated September 14, 2016, is hereby incorporated by reference.94Table of Contents4.4First Supplemental Indenture by and among Advanced Micro Devices, Inc. and Wells Fargo Bank N.A., dated September 23, 2016, filed as Exhibit 4.1 to AMD's Quarterly Report on Form 10-Q for the fiscal quarter ended September 24, 2016, is hereby incorporated by reference.4.5Second Supplemental Indenture governing the Xilinx 2.2375% Senior Notes due 2030, by and among Xilinx, Inc., Advanced Micro Devices, Inc. and U.S. Bank Trust Company, National Association, dated February 14, 2022, filed as Exhibit 4.2 to AMDâ€™s Current Report on Form 8-K dated February 14, 2022, is hereby incorporated by reference.4.6Indenture, dated as of June 9, 2022, by and between Advanced Micro Devices, Inc. and U.S. Bank Trust Company, National Association, as trustee, filed as exhibit 4.1 to AMDâ€™s Current Report on Form 8-K dated June 9, 2022, is hereby incorporated by reference.4.7First Supplemental Indenture, dated as of June 9, 2022, by and between the Company and U.S. Bank Trust Company, National Association, as trustee, including the Form of 2032 Note and Form of 2052 Note, filed as exhibit 4.2 to AMDâ€™s Current Report on Form 8-K dated June 9, 2022, is hereby incorporated by reference.*10.12011 Executive Incentive Plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended April 2, 2011, is hereby incorporated by reference.*10.2AMD Executive Severance Plan and Summary Plan Description for Senior Vice Presidents, effective June 1, 2013, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated June 7, 2013, is hereby incorporated by reference.*10.3AMD Deferred Income Account Plan, as amended and restated, effective January 1, 2008, filed as Exhibit 10.18 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 29, 2007, is hereby incorporated by reference.*10.4Amendment No. 1 to the AMD Deferred Income Account Plan, as amended and restated, effective July 1, 2012, filed as Exhibit 10.16(a) to AMDâ€™s Annual Report on Form 10-K for the period ended December 29, 2012, is hereby incorporated by reference.*10.5Form of Indemnity Agreement, between Advanced Micro Devices, Inc. and its officers and directors, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated October 6, 2008, is hereby incorporated by reference.*10.6Form of Management Continuity Agreement, as amended and restated, filed as Exhibit 10.13(b) to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 29, 2007, is hereby incorporated by reference.*10.7Form of Change in Control Agreement, filed as Exhibit 10.11 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 26, 2009, is hereby incorporated by reference.*10.8Amended and Restated Management Continuity Agreement, between Advanced Micro Devices, Inc. and Devinder Kumar, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended September 29, 2012, is hereby incorporated by reference.*10.9Offer Letter, between Advanced Micro Devices, Inc. and Mark D. Papermaster, dated October 7, 2011, filed as Exhibit 10.63 to AMDâ€™s Annual Report on Form 10-K for the period ended December 31, 2011, is hereby incorporated by reference.10.10Â Settlement Agreement, between Advanced Micro Devices, Inc. and Intel Corporation, dated November 11, 2009, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated November 11, 2009, is hereby incorporated by reference.**10.11Patent Cross License Agreement, between Advanced Micro Devices, Inc. and Intel Corporation filed, dated November 11, 2009, as Exhibit 10.2 to AMDâ€™s Current Report on Form 8-K dated November 17, 2009, is hereby incorporated by reference.10.12Sublease Agreement, between Lantana HP, LTD and Advanced Micro Devices, Inc., dated March 26, 2013, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended March 30, 2013, is hereby incorporated by reference.95Table of Contents10.13Master Landlordâ€™s Consent to Sublease, between 7171 Southwest Parkway Holdings, L.P., Lantana HP, Ltd. and Advanced Micro Devices, Inc., dated March 26, 2013, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended March 30, 2013, is hereby incorporated by reference.10.14Lease Agreement, between 7171 Southwest Parkway Holdings, L.P. and Lantana HP, Ltd., dated March 26, 2013, filed as Exhibit 10.4 to AMDâ€™s Quarterly Report on Form 10-Q for the period ended March 30, 2013, is hereby incorporated by reference.*10.15Employment Agreement by and between Lisa T. Su and Advanced Micro Devices, Inc. effective OctoberÂ 8, 2014, filed as Exhibit 10.2 to AMDâ€™s Current Report on Form 8-K/A dated OctoberÂ 14, 2014, is hereby incorporated by reference.*10.16Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 27, 2014, is hereby incorporated by reference. *10.17Offer Letter, between Advanced Micro Devices, Inc. and Forrest E. Norrod, dated October 20, 2014, filed as Exhibit 10.66 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 27, 2014, is hereby incorporated by reference.*10.18Advanced Micro Devices, Inc. Executive Severance Plan and Summary Plan Description for Senior Vice Presidents effective December 31, 2014, filed as Exhibit 10.68 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 27, 2014, is hereby incorporated by reference.*10.19Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 26, 2015, is hereby incorporated by reference.10.20Â Equity Interest Purchase Agreement by and between Advanced Micro Devices, Inc. and Nantong Fujitsu Microelectronics Co., Ltd. dated as of October 15, 2015, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated October 15, 2015, is hereby incorporated by reference.*10.21Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.78 to AMD's Annual Report on Form 10-K for the fiscal year ended December 26, 2015, is hereby incorporated by reference.*10.22Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.79 to AMD's Annual Report on Form 10-K for the fiscal year ended December 26, 2015, is hereby incorporated by reference.*10.23Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.80 to AMD's Annual Report on Form 10-K for the fiscal year ended December 26, 2015, is hereby incorporated by reference.*10.24Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.88 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2016, is hereby incorporated by reference.*10.25Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Plan, filed as Exhibit 10.89 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2016, is hereby incorporated by reference.*10.26Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.90 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2016, is hereby incorporated by reference. *10.27Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended April 4, 2017, is hereby incorporated by reference.*10.28Amended and Restated 2017 Employee Stock Purchase Plan dated August 23, 2018, filed as Exhibit 10.1 to AMD's Quarterly Report on Form 10-Q for the fiscal quarter ended September 29, 2018, is hereby incorporated by reference. 96Table of Contents*10.292017 Employee Stock Purchase Plan, as amended and restated October 12, 2017, filed as Exhibit 10.98 to AMD's Annual Report on Form 10-K for the fiscal year ended December 30, 2017, is hereby incorporated by reference.*10.30Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.99 to AMD's Annual Report on Form 10-K for the fiscal year ended December 30, 2017, is hereby incorporated by reference.*10.31Form of Restricted Stock Unit Award Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.100 to AMD's Annual Report on Form 10-K for the fiscal year ended December 30, 2017, is hereby incorporated by reference.*10.32Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity

Incentive Plan filed as Exhibit 10.101 to AMD's Annual Report on Form 10-K for the fiscal year ended December 30, 2017, is hereby incorporated by reference.*10.33Amendment to Advanced Micro Devices, Inc. Executive Incentive Plan dated as of February 8, 2018, filed as Exhibit 10.1 to AMD's Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2018, is hereby incorporated by reference.*10.34Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive plan, filed as Exhibit 10.103 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 29, 2018, is hereby incorporated by reference.*10.35Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.104 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 29, 2018, is hereby incorporated by reference.*10.36Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.105 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 29, 2018, is hereby incorporated by reference.*10.37Offer Letter between Advanced Micro Devices, Inc. and Rick Bergman dated August 1, 2019, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.38Sign-On Bonus Letter between Advanced Micro Devices, Inc. and Rick Bergman dated August 1, 2019, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.39Value Creation Performance-Based Restricted Stock Unit Grant Notice between Advanced Micro Devices, Inc. and Lisa T. Su, dated August 9, 2019, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.40Value Creation Performance-Based Restricted Stock Unit Grant Notice between Advanced Micro Devices, Inc. and Mark Papermaster, dated August 9, 2019, filed as Exhibit 10.4 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.41Amendment to Advanced Micro Devices, Inc. Executive Incentive Plan dated as of August 21, 2019, filed as Exhibit 10.6 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.422004 Equity Incentive Plan, as amended and restated, dated August 21, 2019, filed as Exhibit 10.7 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 28, 2019, is hereby incorporated by reference.*10.43Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 27, 2020, is hereby incorporated by reference.97Table of Contents*10.44Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 27, 2020, is hereby incorporated by reference.*10.45Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 27, 2020, is hereby incorporated by reference.10.46Company-Provided Business Aircraft Usage and Commercial Travel by Personal Guests Policy revised as of January 25, 2021, filed as Exhibit 10.58 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 26, 2020, is hereby incorporated by reference.*10.47Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 26, 2021, is hereby incorporated by reference.*10.48Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive Plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 26, 2021, is hereby incorporated by reference.*10.49Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2004 Equity Incentive plan, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 26, 2021, is hereby incorporated by reference.10.50Â Credit Agreement dated as of April 29, 2022 by and among Advanced Micro Devices, Inc. as borrower, the lenders referred to therein, as lenders, and Wells Fargo Bank, National Association, as administrative agent, swingline lender and an issuing lender, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated April 29, 2022, is hereby incorporated by reference.*10.51Xilinx, Inc. 2007 Equity Incentive Plan, effective as of January 1, 2007, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended March 26, 2022, is hereby incorporated by reference.*10.522004 Equity Incentive Plan, as amended and restated, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended March 26, 2022, is hereby incorporated by reference.*10.53Offer Letter between Advanced Micro Devices, Inc. and Victor Peng dated March 8, 2022, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended March 26, 2022, is hereby incorporated by reference.*10.54Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the Xilinx, Inc. 2007 Equity Incentive Plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 25, 2022, is hereby incorporated by reference. *10.55Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the Xilinx, Inc. 2007 Equity Incentive Plan, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 25, 2022, is hereby incorporated by reference. *10.56Outside Director Equity Compensation Policy, as amended and restated, dated as of August 10, 2022, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 24, 2022, is hereby incorporated by reference.*10.57Offer Letter between Advanced Micro Devices, Inc. and Jean Hu, dated as of January 6, 2023, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated January 8, 2023, is hereby incorporated by reference.*10.58Sign-On Bonus Agreement between Advanced Micro Devices, Inc. and Jean Hu, dated as of January 8, 2023, filed as Exhibit 10.2 to AMDâ€™s Current Report on Form 8-K dated January 8, 2023, is hereby incorporated by reference.98Table of Contents*10.59Retirement Transition Agreement and General Release between Advanced Micro Devices, Inc. and Devinder Kumar, dated as of February 15, 2023, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K/A dated January 1, 2023, is hereby incorporated by reference.*10.60Advanced Micro Devices, Inc. 2023 Equity Incentive Plan, filed as Exhibit A to AMDâ€™s Definitive Proxy Statement on Schedule 14A dated March 31, 2023, is hereby incorporated by reference.*10.61Form of Stock Option Agreement for Senior Vice Presidents and Above under the 2023 Equity Incentive plan, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended July 1, 2023, is hereby incorporated by reference.*10.62Form of Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2023 Equity Incentive Plan, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended July 1, 2023, is hereby incorporated by reference.*10.63Form of Performance-Based Restricted Stock Unit Agreement for Senior Vice Presidents and Above under the 2023 Equity Incentive Plan, filed as Exhibit 10.3 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended July 1, 2023, is hereby incorporated by reference.10.64Â First Amendment to Credit Agreement, dated as of September 22, 2023, among Advanced Micro Devices, Inc. as borrower, the lenders referred to therein, as lenders, Wells Fargo Securities, LLC, as sustainability structuring agent, and Wells Fargo Bank, National Association, as administrative agent, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2023, is hereby incorporated by reference.10.65Â Seventh Amendment to Lease between Summit Lantana Owner, LP and Advanced Micro Devices, Inc., dated as of October 27, 2023, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2023, is hereby incorporated by reference.*10.66Amendment to Advanced Micro Devices, Inc. Executive Incentive Plan dated as of February 23, 2022, filed as Exhibit 10.76 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 30, 2023, is hereby incorporated by reference.*10.67Form of Change of Control Agreement, filed as Exhibit 10.77 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 30, 2023, is hereby incorporated by reference,**10.68Intellectual Property Cross-License Agreement between Advanced Micro Devices, Inc. and Broadcom Corporation, effective as of August 25, 2008, filed as Exhibit 10.78 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 30, 2023, is hereby incorporated by reference.**10.69IP Core License Agreement between Advanced Micro Devices, Inc. and Broadcom Corporation, effective as of August 25, 2008, filed as Exhibit 10.79 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 30, 2023, is hereby incorporated by reference.*10.70Offer Letter and Sign-on Bonus Agreement between Advanced Micro Devices, Inc. and Philip Guido, dated April 10, 2023, filed as Exhibit 10.1 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 29, 2024, is hereby incorporated by reference. *10.71Retirement Transition Agreement and General Release between Victor Peng and Advanced Micro Devices, Inc., dated July 30, 2024, filed as Exhibit 10.2 to AMDâ€™s Quarterly Report on Form 10-Q for the fiscal quarter ended June 29, 2024, is hereby incorporated by reference.*10.72Offer Letter, dated October 9, 2024 by and between Advanced Micro Devices, Inc. and Philip Carter, filed as Exhibit 10.1 to AMDâ€™s Current Report on Form 8-K dated November 18, 2024, is hereby incorporated by reference.*10.73Advanced Micro Devices, Inc. Executive Severance Plan and Summary Plan Description for Executive and Senior Vice Presidents effective February 3, 2025.99Table of Contents19.1Â Advanced Micro Devices, Inc. Stock Trading Policy.21Â List of AMD subsidiaries.23Â Consent of Independent Registered Public Accounting Firm.24Â Power of Attorney.31.1Â Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.31.2Â Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.32.1Â Certification of the Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.32.2Â Certification of the Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.97Compensation Recovery Policy adopted by the Board of Directors of Advanced Micro Devices, Inc., effective as of November 17, 2023, filed as Exhibit 97 to AMDâ€™s Annual Report on Form 10-K for the fiscal year ended December 30, 2023, is hereby incorporated by reference.101.INSXBRL Instance Document -the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document101.SCHXBRL Taxonomy Extension Schema Document101.CALXBRL Taxonomy Extension Calculation Linkbase Document101.DEFXBRL Taxonomy Extension Definition Linkbase Document101.LABXBRL Taxonomy Extension Label Linkbase Document101.PREXBRL Taxonomy Extension Presentation Linkbase Document104Cover Page Interactive Data File -the Cover Page Interactive Data File does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document_____________________* Management contracts and compensatory plans or arrangements.** Portions of this exhibit have been omitted because they are both (i) not material and (ii) would be competitively harmful if publicly disclosed.AMD will furnish a copy of any exhibit on request and payment of AMDâ€™s reasonable expenses of furnishing such exhibit.ITEM 16. FORM 10-K SUMMARYNot applicable.100Table of ContentsSIGNATURESPursuant to the requirements of SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.Â February 5, 2025ADVANCED MICRO DEVICES, INC.By:/s/ Jean HuJean HuExecutive Vice President, Chief Financial Officer and TreasurerPursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons, on behalf of the registrant and in the capacities and on the dates indicated. SignatureÂ TitleÂ Date/s/Lisa T. SuPresident and Chief Executive Officer(Principal Executive Officer), DirectorFebruary 5, 2025Lisa T. SuÂ /s/Jean HuExecutive Vice President, Chief Financial Officer and Treasurer(Principal Financial Officer)February 5, 2025Jean HuÂ /s/Philip M. CarterCorporate Vice President, Chief Accounting Officer (Principal Accounting Officer)February 5, 2025Philip M. Carter*Lead Independent DirectorFebruary 5, 2025Nora M. DenzelÂ *DirectorFebruary 5, 2025Mark Durcan*DirectorFebruary 5, 2025Mike P. Gregoire*DirectorFebruary 5, 2025Joe A. Householder*DirectorFebruary 5, 2025John W. Marren*DirectorFebruary 5, 2025Jon A. Olson*DirectorFebruary 5, 2025Abhi Y. TalwalkarÂ Â *DirectorFebruary 5, 2025Beth W. VandersliceÂ Â Â *By:Â /s/Jean HuÂ Jean Hu, Attorney-in-Fact101 EX-10.73 2 ex10_73usseveranceplan-svp.htm EX-10.73 DocumentExhibit 10.73ADVANCED MICRO DEVICES, INC. EXECUTIVE SEVERANCE PLANAND SUMMARY PLAN DESCRIPTIONFOR EXECUTIVE AND SENIOR VICE PRESIDENTS(Effective February 3, 2025)INTRODUCTIONThe Advanced Micro Devices, Inc. Executive Severance Plan for Executive and Senior Vice Presidents (the â€œPlanâ€) is designated to provide separation pay to eligible terminating employees.ELIGIBILITY AND PARTICIPATIONYou become eligible to participate in the Plan if you meet all of the following criteria:â€¢you are employed in the United States by Advanced Micro Devices, Inc. (â€œthe Companyâ€ or â€œAMDâ€) or a subsidiary of AMD (AMD and its subsidiaries, collectively, the â€œAMD Groupâ€);â€¢you are employed at the Executive Vice President or Senior Vice President level;â€¢you receive a written Notice stating you are eligible to participate in this Plan; andâ€¢you are not covered by an individual agreement that provides severance benefits (other than severance benefits in connection with a change in control of the Company).The business decisions that may result in you becoming eligible to participate in the Plan are made by AMD. However, whether you are eligible to receive benefits under the Plan is decided by the Plan Administrator (defined below) in its sole discretion.An employee who commences participation in the Plan is called a â€œParticipant.â€ Your participation ends when you are no longer eligible to receive any Plan benefits. AMD Group contractors are not eligible to participate in the Plan, nor are periods of service as a contractor service provider counted towards eligibility for benefits under the Plan.This Plan is intended to represent the exclusive severance benefits payable to a Participant by the AMD Group. Accordingly, any Participant who is entitled to receive severance benefits payable in connection with a change of control of the Company (or any other member of the AMD Group) pursuant to a change in control agreement is prohibited from also receiving severance benefits under this Plan. In other words, a Participant may not collect severance benefits under this Plan if the Participant receives benefits under a change in control agreement between the Participant and any member of the AMD Group.For purposes of this Plan, â€œFor Cause,â€ as determined in the sole discretion of the Plan Administrator, is defined as (a) a violation of your obligations regarding confidentiality, or the protection of sensitive, confidential, or proprietary information and trade secrets; (b) an act or omission by you resulting in your being charged with a criminal offense involving moral turpitude, dishonesty, or breach of trust; (c) conduct by you which constitutes a felony (or state law equivalent), or your plea of guilty or 1nolo contendere with respect to a felony (or state law equivalent) under applicable law; (d) conduct by you that constitutes gross neglect; (e) your insubordination or refusal to implement lawful directives of your manager; (f) your chronic absenteeism other than an approved leave of absence per AMDâ€™s policies; your failure to cooperate with any internal investigation of any member of the AMD Group; (h) the Plan Administratorâ€™s determination that you violated AMDâ€™s Worldwide Standards of Business Conduct or committed other acts of misconduct, or your violation of state or federal law relating to the workplace (including laws related to sexual harassment or age, sex or other prohibited discrimination); (i) your material breach of the AMD Agreement, any AMD Group policy, or any written agreement between you and any member of the AMD Group; (j) your failure to substantially perform your job duties with the AMD Group; or (k) your poor performance of your job duties as determined in the sole discretion of the Plan Administrator.For purposes of this Plan, you will be considered to be disabled if you are receiving salary continuation payments under a short-term disability policy or a long-term disability plan of any member of the AMD Group.BENEFITSIf you are eligible, you will become a Participant and receive the benefits set forth in Schedule A (attached), only if you meet the criteria for payment set forth in this Plan and you accept and return a complete and irrevocable Agreement and Release substantially in the form set forth in Schedule B (attached) in accordance with its terms.As set forth in Schedule A, your benefits may be reduced by any amounts payable pursuant to the Worker Adjustment and Retraining Notification Act or any other legally imposed terms and conditions of employment under applicable federal, state or local statute, regulation or ordinance.To receive benefits under the Plan, you must:â€¢not voluntarily terminate your employment, resign or retire with or from the AMD Group for any reason;â€¢be involuntarily terminated from the AMD Group other than (a) For Cause, (b) as a result of a disability or death, or (c) through automatic termination due to an extended leave of absence;â€¢not have been offered a job with a company or organization that purchases (or has purchased) some or all of the operation in which you are employed, or is a direct or indirect successor in ownership or management of the operation in which you are employed;â€¢not have been offered a job with a company or organization that is affiliated (directly or indirectly) with the Company;â€¢not receive severance pay or benefits under an individual agreement with a member of the AMD Group (including severance benefits under a change in control agreement);â€¢execute and deliver to the Company a complete and irrevocable release of claims in the form provided to you by the Company;2â€¢continue as a satisfactory employee until released by the applicable member of the AMD Group in accordance with its needs; andâ€¢abide by such other written terms and conditions as the Company may establish as a condition to participation in, or payment of benefits under, the Plan.FORM AND TIMING OF BENEFITThe cash severance benefits payable hereunder may, at the discretion of the Plan Administrator, be paid in a lump sum cash payment or any other form of payment as determined by the Plan Administrator. If payment of the cash severance benefits is in the form of a lump sum cash payment, the payment shall be made as soon as administratively practicable following your date of termination or earlier, if required to comply with federal or state law. Alternatively, the cash severance benefits may be paid in some other method of payment as determined by the Plan Administrator in its sole discretion. Notwithstanding any provision of the Plan to the contrary, all payments of cash severance benefits under this Plan shall be made no later than the end of the second calendar year following the year in which your termination of employment by the AMD Group occurs. Notwithstanding any provision of the Plan (including Schedule A) to the contrary, if you are deemed by the Company at the time of your date of termination to be a â€œspecified employeeâ€ for purposes of Section 409A(a)(2)(B)(i) of the Internal Revenue Code of 1986, as amended (the â€œCodeâ€), to the extent delayed commencement of any portion of the benefits to which you are entitled under this Plan is required in order to avoid a prohibited distribution under Section 409A(a)(2)(B)(i) of the Code, such portion of your benefits shall not be provided to you prior to the earlier of (a) the expiration of the six-month period measured from the date of the your â€œseparation from serviceâ€ (within the meaning of Section 409A(a)(2)(A)(i) of the Code) or (b) the date of your death. Upon the expiration of the applicable Code Section 409A(a)(2)(B)(i) delay period, all payments subject to and deferred pursuant to this paragraph shall be paid in a lump sum to you. AMENDMENT AND TERMINATIONAlthough the Company expects to maintain the Plan indefinitely, it reserves the right to amend, modify or terminate this Plan at any time. The Company also delegates the right to amend the Plan to the Plan Administrator but any such amendments shall be on behalf of the Company and in a settlor, not fiduciary, capacity. Entitlement to severance benefits under the Plan are not guaranteed and may be eliminated in the future in the sole discretion of the Plan Administrator, except where benefits under the Plan have been provided or promised by AMD in a fully-executed and enforceable Severance Agreement and General Release made effective at the time of the employeeâ€™s termination of employment. Consideration provided by AMD under such a Severance Agreement and General Release, once fully executed and effective, shall not be subject to modification or termination unilaterally by AMD or the Plan Administrator.NON-ALIENATION OF BENEFITSNo Plan benefit can be anticipated, alienated, sold, transferred, assigned, pledged, encumbered or charged, and any attempt to do so will be void.3LEGAL CONSTRUCTIONThis Plan is drawn under and shall be construed in accordance with the Employee Retirement Income Security Act of 1976, as amended (â€œERISAâ€) and, to the extent not preempted by ERISA, with the laws of the State of Texas.ADMINISTRATION AND OPERATION OF THE PLANThe Company is the â€œPlan Sponsorâ€ and the â€œPlan Administratorâ€ of the Plan as such terms are used in ERISA. However, the Company may designate any person or a committee as the fiduciary designated to administer the Plan. Until determined otherwise, the Plan Administrator shall be AMDâ€™s Benefits Plan Administrative Committee (the â€œAdministrative Committeeâ€). A member of the Administrative Committee will not vote or act upon any matter relating solely to himself/herself.The Plan Administrator of the Plan is the named fiduciary that has the authority to control and manage the operation and administration of the Plan. The Plan Administrator has full and absolute discretion to make such rules, regulations, interpretations of the Plan, make such computations as it may deem appropriate under the Plan, construe all provisions of the Plan, to correct any defect, supply any omission, or reconcile any inconsistency which may appear in the Plan, to determine all questions relating to eligibility and all other matters relating to benefits under the Plan, and to determine all controversies relating to the administration of the Plan. The Plan Administratorâ€™s determinations and other actions shall be conclusive and binding upon all persons. The Plan Administrator may engage the services of such persons or organizations to render advice or perform services with respect to its responsibilities under the Plan as it shall determine to be necessary or appropriate. Such persons or organizations may include (without limitation) actuaries, attorneys, accountants and consultants.Any person or group of persons may serve in more than one fiduciary capacity with respect to the Plan. The responsibilities of the Plan Administrator under the Plan shall be carried out on its behalf by the Companyâ€™s directors, officers, employees and agents, acting on behalf or in the name of the Company in their capacity as directors, officers, employees and agents and not as individual fiduciaries. The Company or the Plan Administrator may delegate any of its fiduciary responsibilities under the Plan to another person or persons pursuant to a written instrument that specifies the fiduciary responsibilities so delegated to each such person.The Plan Administrator has full and absolute discretion in the exercise of its authority under this Plan, including without limitation, the authority to determine any personâ€™s right to benefits under the Plan, the correct amount and form of any benefits, the authority to decide any appeal, the authority to review and correct the actions of any prior administrative committee, and all of the rights, powers, and authorities specified in the Plan. Notwithstanding any provision of law or any explicit or implicit provision of this document, any action taken or ruling or decision made, by the Plan Administrator in the exercise of any of its powers and authorities under the Plan, shall be final and conclusive as to all parties, regardless of whether the Plan Administrator or one or more of its members may have an actual or potential conflict of interest with respect to the subject matter of the action, ruling, or decision. Thus, no final action, ruling, or decision of the Plan Administrator shall be subject to de novo review in any judicial proceeding and no final action, ruling, or decision of the Plan Administrator may be set aside unless it is held to have been arbitrary and capricious by a final judgment of a court having jurisdiction with respect to the issue.4BASIS OF PAYMENTS TO AND FROM THE PLANAll benefits under the Plan shall be paid by the Company. The Plan shall be unfunded and benefits hereunder shall be paid only from the general assets of the Company.WITHHOLDING TAXESThe Company may (or may cause any member of the AMD Group to) withhold from all payments to you pursuant to this Plan all taxes that are required to be withheld under applicable federal, state or local law.DENIAL OF BENEFITSIf you are terminated, the Plan Administrator will notify you of your entitlement to severance benefits. If you are denied severance benefits, you may file a claim for Benefits. Under normal circumstances, your claim will be acted upon by the Plan Administrator within 90 days (up to 180 days if special circumstances require a delay) of receipt of your claim. If your claim is denied or reduced for any reason, the Plan Administrator will notify you of its action and the reasons why, with specific references to the Plan provisions that apply. The Plan Administrator will also tell you how you can appeal the decision. If the Plan Administrator does not act upon your claim within 90 days, your claim is deemed denied.If your claim is denied or reduced, or the Plan Administrator does not act upon your claim within 90 days, you may file an appeal with the Plan Administrator for a full and fair review of the denial of your claim. To do this, you must submit a written appeal to the Plan Administrator stating the reason you believe you are entitled to benefits. You shall have the opportunity to submit written comments, documents, records and other information relating to your claim. You (or your duly authorized representative) shall be provided upon request and free of charge, reasonable access to, and copies of, all documents, records and other information relevant to your claim. A decision on a request for review will be made not later than 60 days after receipt of a written request for review unless special circumstances require an extension of time for processing (such as the need to hold a hearing), in which event a decision should be rendered as soon as possible, but in no event later than 120 days after such receipt by giving you written notice indicating the special circumstances requiring the extension of time prior to the termination of the initial 60 day period. The decision on appeal shall be written and shall include specific reasons for the decision, written in a manner calculated to be understood by you, with specific references to the pertinent Plan provisions on which the decision is based, a statement that you are entitled to receive, upon request and free of charge, reasonable access to, and copies of, all documents, records and other information relevant to your claim, and a statement of your right to bring an action under ERISA section 502(a).In carrying out its responsibilities under the Plan, the Plan Administrator has full and final discretion to interpret the terms of the Plan and to determine eligibility for and entitlement to benefits in accordance with the terms of the Plan.No legal action for benefits under the Plan shall be brought unless and until you have followed the appeal procedure set forth above and have your request for Plan benefits denied both initially and on appeal. No legal action for benefits under the Plan shall be brought after one year following the date your benefits under the Plan originally were denied or deemed denied.5OTHER PLAN INFORMATIONPlan Identification Number: 526Employer Identification Number: 94-1692300Ending of the Planâ€™s Fiscal Year: The 52/53 week period ending on the last Saturday in December of each year and coincides with the fiscal year of AMD.Agent for the Service of Legal Process: The Planâ€™s agent for service of legal process is: CT CORPORATION SYSTEM at either of the following addresses: 1350 Treat Blvd., Suite 100, Walnut Creek, CA 94596 (925) 287-2900 or 350 North St. Paul Street, Suite 2900, Dallas, TX 75201 (214) 979-1172.Plan Sponsor and Administrator: The Plan Sponsor is Advanced Micro Devices, Inc, and the Plan Administrator of the Plan is the Administrative Committee of the Company, each of which may be contacted at 2485 Augustine Drive, Santa Clara, California 95054, 408-732-2400. The Plan Administrator is the named fiduciary charged with responsibility for administering the Plan.ERISA/Section 409A: The Plan is not intended to be an â€œemployee pension benefit planâ€ within the meaning of section 3(2) of ERISA. Rather, the Plan is intended to constitute a â€œseverance pay planâ€ within the meaning of Title 29, Code of Federal Regulations, Â§ 2510.3-2(b). Payments under the Plan are intended to be exempt from or comply with Section 409A of the Code.STATEMENT OF ERISA RIGHTSAs a Participant in the Plan, youâ€™re entitled to certain rights and protections under ERISA. ERISA provides that all Plan participants shall be entitled to:Receive Information About Your Plan and Benefitsâ€¢Examine, without charge, at the Plan Administratorâ€™s office and at other specified locations, such as worksites, all documents governing the Plan and a copy of the latest annual report (Form 5500 Series) filed for the Plan with the U.S. Department of Labor and available at the Public Disclosure Room of the Employee Benefits Security Administration.â€¢Obtain, upon written request to the Plan Administrator, copies of documents governing the operation of the Plan, including insurance contracts and collective bargaining agreements, and copies of the latest annual report (Form 5500 Series) and updated Summary Plan Description. The administrator may make a reasonable charge for the copies.Prudent Actions by Plan FiduciariesIn addition to creating rights for Plan participants, ERISA imposes duties upon the people who are responsible for the operation of an employee benefit plan. The people who operate the Plan, called â€œfiduciariesâ€ of the Plan, have a duty to do so prudently and in the interest of you and other Plan participants and beneficiaries. No one, including your employer or any other person, may fire you or 6otherwise discriminate against you in any way to prevent you from obtaining a welfare benefit or exercising your rights under ERISA.Enforcement of Your RightsIf your claim for a benefit is denied or ignored, in whole or in part, you have a right to know why this was done, to obtain copies of documents relating to the decision without charge, and to appeal any denial, all within certain time periods.Under ERISA, there are steps you can take to enforce the above rights. For instance, if you request a copy of plan documents or the latest annual report from the Plan and do not receive them within 30 days, you may file suit in a Federal court. In such a case, the court may require the Plan Administrator to provide the materials and pay you up to $110 a day until you receive the materials, unless the materials were not sent because of reasons beyond the control of the Plan Administrator. If you have a claim for benefits which is denied or ignored, in whole or in part, you may file suit in a state or Federal court. If it should happen that Plan fiduciaries misuse the Planâ€™s money, or if youâ€™re discriminated against for asserting your rights, you may seek assistance from the U.S. Department of Labor, or you may file suit in a Federal court. The court will decide who should pay court costs and legal fees. If youâ€™re successful, the court may order the person you have sued to pay these costs and fees. If you lose, the court may order you to pay these costs and fees, for example, if it finds your claim is frivolous.Assistance with Your QuestionsIf you have any questions about the Plan, you should contact the Plan Administrator. If you have any questions about this statement or about your rights under ERISA, or if you need assistance in obtaining documents from the Plan Administrator, you should contact the nearest office of the Employee Benefits Security Administration (EBSA), U.S. Department of Labor, listed in your telephone directory, or at www.dol.gov/ebsa, or the Division of Technical Assistance and Inquiries, Employee Benefits Security Administration, U.S. Department of Labor, 200 Constitution Avenue N.W., Washington, D.C. 20210. You may also obtain certain publications about your rights and responsibilities under ERISA by calling the publications hotline of the Employee Benefits Security Administration at 1-866-444-3272.7SCHEDULE AIn exchange for a signed Severance Agreement and General Release, the following severance benefits will be paid to eligible Participants who are actively employed at the Executive Vice President or Senior Vice President level at the time of their covered termination, under the Advanced Micro Devices, Inc. Executive Severance Plan for Executive and Senior Vice Presidents:1.A single lump sum cash severance payment equivalent to twelve (12) monthsâ€™ base pay.*2.Payment by the Company of twelve (12) monthsâ€™ of COBRA medical, dental and/or vision insurance premiums, based on Participantâ€™s benefits plan elections in effect at the time of termination (continuation under COBRA thereafter will be at Participantâ€™s expense). In order to receive this benefit, Participant must timely elect COBRA coverage on his or her behalf by completing the forms sent by the COBRA administrator. 3.Use of the Employee Assistance Plan provided by the Company as part of the 12 monthsâ€™ of COBRA coverage. In order to receive this benefit, Participant must timely elect COBRA coverage on his or her behalf by completing the forms sent by the COBRA administrator.4.Each time-based restricted stock unit (each, a â€œRSUâ€) held by an eligible Participant on the date of his or her covered termination that (a) was granted on or after the date that AMD files itâ€™s Annual Report on SEC Form 10-K for its 2024 fiscal year (the â€œFY2024 Reporting Dateâ€), and (b) is scheduled to vest within twelve (12) months following the date of the eligible Participantâ€™s covered termination, will be deemed fully vested on the date of covered termination. An RSU that vests pursuant to the immediately preceding sentence will be settled within ten (10) calendar days following the date the Severance Agreement and General Release becomes binding and irrevocable. 5.Each performance-based restricted stock unit (each, a â€œPRSUâ€) held by an eligible Participant on the date of his or her covered termination that (a) was granted on or after the FY2024 Reporting Date, and more than one (1) year before the date of the Participantâ€™s covered termination, and (b) is subject to a performance period that is scheduled to end within twelve (12) months following the date of the eligible Participantâ€™s covered termination will become earned and vested (or, if applicable, forfeited) based on the lower of (x) actual performance, as determined by the Compensation and Leadership Resources Committee or its delegate based on the Companyâ€™s most recent publicly reported quarterly financial results, or (y) â€œtargetâ€ level performance. Any such PRSU that is earned and vests pursuant to the immediately preceding sentence will be settled within ten (10) calendar days following the date the Severance Agreement and General Release becomes binding and irrevocable.6.Each outstanding option to acquire AMD common stock (each, a â€œStock Optionâ€) that is (a) granted on or after the FY2024 Reporting Date and (b) scheduled to vest and become exercisable within twelve (12) months following the date of the eligible Participantâ€™s covered termination, will become fully vested on the date of the eligible Participantâ€™s covered termination. Each of the eligible Participantâ€™s outstanding Stock Options that is vested and exercisable on the date of the eligible Participantâ€™s covered termination, including any Stock Options that become fully vested and exercisable by reason of the immediately preceding sentence, may be exercised by the eligible Participant on or before the first (1st) anniversary of the date of the eligible Participantâ€™s covered termination; provided, however, that in no event will any Stock Option remain exercisable beyond the maximum period permitted under the provisions of the applicable Stock Schedule A-1Option award agreement. Any Stock Option has not been exercised on or before the expiration date of such Stock Option will expire and be forfeited at such time without consideration. For avoidance of doubt, no Stock Options that become vested and exercisable pursuant to the first sentence of this paragraph 6 may be exercised before the date on which the eligible Participantâ€™s Separation Agreement and General Release becomes binding and irrevocable.The Company will set off on a pro-rata basis any severance pay amount in the event a Participant becomes re-employed by the AMD Group during the 12 months following receipt of a severance payment under this Plan.*As permitted under the Plan, the benefits payable hereunder may, at the discretion of the Plan Administrator, be paid in any other form of payment as determined by the Plan Administrator. These benefits may be reduced by any amounts payable pursuant to the Worker Adjustment and Retraining Notification Act or any other similar federal, state or local statute, regulation or ordinance. In addition, payments hereunder shall be delayed to the extent required to ensure the Participant is not subject to additional taxation under Section 409A.Schedule A-2SCHEDULE BFORM OF SEVERANCE AGREEMENT AND RELEASE SEVERANCE AGREEMENT AND GENERAL RELEASE1.The intent of this Severance Agreement and Release (this â€œAgreementâ€) is to mutually, amicably and finally resolve and compromise all issues and claims surrounding the employment of Â Â Â Â Â Â Â Â (â€œParticipantâ€) and ADVANCED MICRO DEVICES, INC. (â€œAMDâ€) and the conclusion of that employment.2.In exchange for the release and promises described below, AMD agrees to provide the benefits set forth in Schedule A, based on the Participantâ€™s position at termination, to the Advanced Micro Devices, Inc. Executive Severance Plan for Executive and Senior Vice Presidents (the â€œPlanâ€).3.Participant agrees that the payments and benefits set forth in Schedule A of the Plan constitute valuable consideration for the promises and releases contained in this Agreement.4.Participant agrees that this Agreement is strictly confidential and that he/she will not disclose its contents to anyone except his/her legal counsel, immediate family, financial advisor or as required by law.5.Participant acknowledges that when he/she joined AMD, he/she executed and/or operated under an agreement regarding (among other things) assignment of inventions, non-solicitation and non- disclosure of confidential AMD or its predecessorsâ€™ information. Participant also acknowledges that while employed by AMD, he/she had access to, acquired and assisted in the development of confidential and proprietary information, inventions and trade secrets relating to the present and anticipated business and operations of AMD and third parties doing business with AMD, including (without limitation) product information, sales and marketing methods, marketing plans, sales forecasts and product plans, personnel data regarding employees of AMD (including salaries) and other information of a similar nature not available to the public. Participant agrees to keep confidential and not to disclose or use (either directly or indirectly) confidential or proprietary information without the prior written consent of AMD, or until the information otherwise becomes public knowledge, or such disclosure is protected as set forth in the â€œProtected Trade Secrets Disclosureâ€ section of AMDâ€™s Worldwide Standards of Business Conduct, which also sets forth the Companyâ€™s reporting policy for suspected violations of law. Participant further acknowledges and agrees that his/her invention assignment, non-solicitation, confidentiality and related obligations to AMD are affirmed here in their entirety, and continue to apply to Participant after this Agreement and as a result of this Agreement. Participant agrees and understands that these confidentiality obligations apply to all confidential, proprietary, and/or trade secret information capable of being used or shared by Participant outside of AMD in any manner. Participant is prohibited from using, repeating, or sharing any such information with any third party, whether in person, in writing, though use of digital media, in any social media context, or in any other manner except where disclosure is required by formal legal process.6.Participant agrees to promptly return to AMD all copies and originals of documents, data, records, computers, mobile devices, computer software and documentation, notebooks, customer lists, bulletins, manuals, telephone and sales directories, production cost and purchasing and marketing information or other information pertaining to AMDâ€™s business, AMD or customer confidential information, including any such information and data located on personal devices.Schedule B-17.Participant agrees that following termination of his/her employment, he/she will not: (a) make any statement, oral or written, that has the effect of disrupting, damaging, maligning, impairing, or interfering with the business of AMD, whether via public or private comment, social media, or otherwise;(b) make false statements about AMD, its business, or its employees; and/or (c) contribute to or use electronic or social media in any manner to malign, defame, or harm AMD, its business, or its employees, and that for twelve (12) months following the termination of his/her employment, he/she will not directly or indirectly solicit the services of any AMD current or then-current employee for any person or entity, or otherwise induce or attempt to induce such employee to terminate his/her employment with AMD.8.In consideration for the payment and undertaking described above, Participant, on behalf of him/herself and his/her successors and assigns, and any other person or entity on his/her behalf, completely releases and forever discharges AMD and any and all of its affiliated or subsidiary companies, and their respective current and former shareholders, officers, agents, attorneys, employees, contractors and other contingent or third party workers, successors and assigns, from all claims, rights, demands, actions, obligations, and causes of action of any and every kind, nature and character, known or unknown, which Participant may now have, or has ever had, against them arising from his/her employment relationship with AMD, the compensation, benefits or wages provided for that employment, the termination of that employment, or any other relations of any kind between AMD and Participant, including (without limitation): any and all â€œwrongful dischargeâ€ claims; claims relating to any alleged contracts of employment (express or implied); claims relating to any covenant of good faith and fair dealing (express or implied); claims for any tort of any nature; claims for damages, wages or benefits of any type (including claims for sabbatical benefits) pursuant to any federal, state, or municipal statute or ordinance, including (without limitation) claims for damages for employment discrimination under the Civil Rights Act of 1866 (including Section 1981) or the Civil Rights Act of 1964 (including Title VII), the Employee Retirement Income Security Act of 1974, the Age Discrimination in Employment Act, the Older Worker Benefits Protection Act, the Americans With Disabilities Act, the California Fair Employment and Housing Act or Labor Code, the Texas Commission on Human Rights Act, the Massachusetts Fair Employment Practices Act, the Colorado fair employment statutes or any other law or legal principle or similar effect in any jurisdiction; and any and all claims for attorneysâ€™ fees and costs or claims related to AMD equity plans. This provision does not act to release claims that may arise after the date of execution of this waiver and release.9.As reasonably requested by AMD, Participant agrees to provide assistance to AMD and its representatives with respect to any legal matters in which Participant is named as a party or of which Participant may have relevant knowledge or documents. Although Participant will receive no additional compensation for such assistance beyond the benefits set forth in Schedule A based on the Participantâ€™s position at termination, Participant will be reimbursed for reasonable expenses associated with such assistance that are approved in advance by AMD.10.Participant confirms that he/she has read Section 1542 of the Civil Code of the State of California, which provides as follows:A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM OR HER MUST HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR.Participant understands that Section 1542 gives him/her the right not to release existing claims of which he/she is not now aware, unless he/she voluntarily chooses to waive this right. With this knowledge, Schedule B-2Participant nevertheless voluntarily waives the rights described in Section 1542 or any law or legal principle of similar effect in any jurisdiction and elects to assume all risks for claims that now exist in his/her favor, known or unknown.11.This Agreement is not to be considered an admission of any liability or wrongdoing on the part of AMD. Participant acknowledges awareness of, access to, and review of the AMD anti- discrimination policies, the AMD Worldwide Standards of Business Conduct, and the related description of the AMD Aware, which as an alternative to traditional reporting to management allows AMD employees worldwide an opportunity to identify any good-faith concerns about any suspected non-compliance with such standards and policies. Participant represents here that to the extent that Participant suspects or suspected any non-compliance with those standards, or non-compliance with any other AMD policy, that such concerns have been raised in full through use of AMD Aware or other reporting processes identified by AMD policy.12.If for any reason any provision of this Agreement is held to be unenforceable or unlawful, the remainder of the Agreement will remain binding and in effect.13.In the event it is necessary for any party to bring legal action to enforce the terms of this Agreement, the prevailing party will be entitled to costs and reasonable attorneysâ€™ fees.14.Participant acknowledges he/she has been advised by this writing that: (i) he/she should consult with an attorney prior to executing this Agreement; (ii) he/she has forty-five (45) days within which to consider this Agreement; and (iii) he/she has seven (7) days from the date of execution of this Agreement to revoke this waiver and release.If Participant wishes to enter into this Agreement, he/she must sign and date it, and submit it to AMD so that AMD receives it within the forty-five (45) day consideration period. Participant should submit the executed Agreement to AMD by scanning a signed copy and emailing to [email address].If Participant wishes to revoke this Agreement, he/she must submit a written statement of revocation to AMD at the following email address:[email address]. Participant understands and agrees that to be valid, the statement of revocation must be received by AMD within seven (7) days of executing this Agreement. Participant further understands and agrees that if he/she revokes this Agreement, he/she forfeits all benefits he/she might have already received and/or would have received under the Agreement. This Agreement will not become effective until the revocation period has expired, and it will be null and void if Participant revokes it pursuant to this paragraph 14.15.Participant agrees he/she is not executing this Agreement in reliance on any promises, representations or inducements other than those contained in this Agreement; and that he/she is signing this Agreement voluntarily. Notwithstanding any other provision of this Agreement, this general release does not release any claims that cannot lawfully be released. Participant also understands and agrees that nothing in this Agreement prevents him/her from exercising his/her protected rights under federal or state law. Participant understands that nothing contained in this Agreement limits Participantâ€™s ability to file a charge or complaint with the Equal Employment Opportunity Commission, the National Labor Relations Board, the Occupational Safety and Health Administration, the Securities and Exchange Commission or any other federal, state or local governmental agency or commission (â€œGovernment Agenciesâ€), however to the extent permitted by law Participant expressly waives and relinquishes any rights Participant might have to recover damages or other relief (equitable or legal) in any such proceeding. Participant further understands that this Agreement does not limit Participantâ€™s ability to communicate with or receive an award for information from any Government Agencies or otherwise participate in any investigation or Schedule B-3proceeding that may be conducted by any Government Agency, including providing documents or other information, without notice to AMD. This Agreement does not prevent Participant from filing a charge with or participating in an investigation or proceeding conducted by the Equal Employment Opportunity Commission; provided, however, that Participant expressly waives and relinquishes any rights Participant might have to recover damages or other relief (equitable or legal) in any such proceeding.16.The Participant acknowledges that he or she must affirmatively elect COBRA by submitting the appropriate forms by the deadline. Execution of this Agreement is not an election of COBRA.17.This Agreement and the Plan constitute the full and complete understanding of the parties, and fully supersedes any and all prior agreements or understandings between the parties, whether oral or written, on the subject covered.PARTICIPANTDated: Â Â Â Â Â Â Â Â Â Â Â Â (Signature)ADVANCED MICRO DEVICES, INC.Dated: Â Â Â Â Â Â Â Â Â Â Â Â Schedule B-4 EX-19.1 3 ex19_1amdstocktradingpolic.htm EX-19.1 DocumentExhibit 19.1Advanced Micro Devices, Inc. Stock Trading PolicyFederal and state laws prohibit trading in the securities of a company while in possession of material nonpublic information and in breach of a duty of trust or confidence. These laws also prohibit anyone who is aware of material nonpublic information from providing this information to others who may trade on the basis of that information. Violating such laws can undermine investor trust, harm the reputation and integrity of Advanced Micro Devices, Inc. (together with its subsidiaries, the â€œCompanyâ€ or â€œAMDâ€). AMD has adopted this Stock Trading Policy (â€œPolicyâ€) to help you comply with federal and state securities laws and regulations that govern trading in securities and to help AMD minimize its own legal and reputational risk.It is your responsibility to understand and comply with this Policy. Insider trading is illegal and a violation of this Policy. Directors, officers, employees and other third-parties who perform work for or on behalf of AMD who trade on the basis of material nonpublic information (or tip such information to others) can face liability, including criminal and civil fines, imprisonment and disgorgement of any profits gained or losses avoided. Any failure to live up to your commitment to comply with this Policy will be grounds for discipline or termination of your employment with AMD, whether or not your failure to comply with this Policy results in a violation of law. Persons Covered and Administration of PolicyThis Policy applies to all directors, officers, employees and any other third-parties who perform work for or on behalf of AMD. The same restrictions that apply to you apply to your family members who reside with you, anyone else who lives in your household, and any persons whose transactions in AMD securities you influence, direct or control. You are responsible for making sure that these individuals comply with this Policy. This Policy continues to apply to you after termination of your employment or services to AMD. If you possess material nonpublic information, when your employment or services terminate, you may not trade in AMD securities until that information has become public or is no longer material. Additionally, if you are subject to a blackout period (as defined below), or if you are subject to a special trading restriction under this Policy at the time you are no longer affiliated with AMD, you are expected to abide by the applicable trading restrictions until at least the end of the applicable restriction.Policy StatementIt is AMDâ€™s policy that any AMD director, officer, employee, or third party who performs work for or on behalf of AMD, who possesses material nonpublic information, must refrain from purchasing, selling, gifting, transferring or otherwise trading in AMD securities or passing on the information to someone else until the information has been revealed by AMD to the public. Additionally, material nonpublic information about another company that you acquire in connection with your employment by, or service to AMD, is subject to the same trading February 2025Â Â Â Â restrictions. For example, if you possess material nonpublic information about AMDâ€™s suppliers, customers, business partners, potential acquisition targets, joint venture partners or an economically linked company, such as a competitor or peer company, you cannot use that information to purchase, sell, gift, transfer or otherwise trade the securities of that company until the information becomes public or is no longer material. Information that is not material to AMD may nevertheless be material to one of those companies. You may not directly or indirectly communicate material nonpublic information to anyone outside AMD (except in accordance with AMDâ€™s policies regarding confidential information) or advise another person to trade on the basis of such information. You may also not directly or indirectly communicate material nonpublic information to anyone within AMD other than on a â€œneed-to-knowâ€ basis. â€œSecuritiesâ€ includes stocks, bonds, notes, debentures, options, warrants, equity and other convertible securities, as well as derivative instruments.â€œPurchaseâ€ and â€œsaleâ€ are defined broadly under the federal securities law. â€œPurchaseâ€ includes not only the actual purchase of a security, but also any contract to purchase or otherwise acquire a security. â€œSaleâ€ includes not only the actual sale of a security, but also any contract to sell or otherwise dispose of a security. These definitions extend to a broad range of transactions, including conventional cash-for-stock transactions, conversions, the exercise of stock options, and exercises of warrants or puts, calls, pledging and margin loans, or other derivative securities.Transactions that may seem necessary or justifiable to you for personal reasons (such as the need to raise money for an emergency expenditure or due to their size) are not exceptions from this Policy. Trading in AMDâ€™s securities on the basis of material nonpublic information is just as illegal with respect to a few shares as it is with respect to a large number of shares. Even the appearance of insider trading can lead to liability and must be avoided to preserve AMDâ€™s reputation for adhering to the highest standards of ethical conduct.Blackout PeriodsCertain AMD directors, officers, employees, and other parties who perform work for or on behalf of AMD by virtue of their job are subject to mandatory controls on the timing of trading of AMD securities. These individuals have been notified that they are subject to these mandatory controls. In general, these individuals are limited to making these transactions during the four quarterly â€œwindowâ€ periodsâ€, which are preceded by the dissemination of AMDâ€™s financial results. The General Counsel is responsible for informing the exact beginning and ending dates of each window period. These individuals must not purchase, sell, gift, transfer or otherwise trade any AMD securities during the blackout period, which ends after completion of the second full trading day after the public release of earnings data for such fiscal quarter or during any other trading suspension period declared by AMD (â€œblackout periodâ€). These restrictions do not apply to:February 2025Â Â Â Â â€¢purchases of AMD securities from AMD, or sales of AMDâ€™s securities to AMD;â€¢exercises of stock options or other equity awards or the surrender of shares to AMD in payment of the exercise price or in satisfaction of any tax withholding obligations in a manner permitted by the applicable equity award agreement, or vesting of equity-based awards, in each case, that do not involve a market sale of AMDâ€™s securities (the â€œcashless exerciseâ€ of an AMD stock option or other equity award through a broker does involve a market sale of AMDâ€™s securities, and therefore would not qualify under this exception);â€¢gift transactions for family or estate planning purposes, where securities are gifted to a person or entity subject to this Policy, except that gift transactions involving AMD securities are subject to preclearance; â€¢â€œsell-to-coverâ€ transactions pursuant to a non-discretionary policy adopted by AMD that is intended to facilitate the payment of withholding taxes associated with vesting of equity awards (other than stock options); orâ€¢purchases or sales of AMDâ€™s securities made pursuant to a Rule 10b5-1 plan.From time to time, for legal or other reasons, the General Counsel may direct that directors, officers, employees or others suspend or discontinue trading in AMD securities. Subject to the exceptions noted above, all of those individuals affected should not trade in AMDâ€™s securities while the suspension is in effect and should not disclose to others that AMD has suspended trading. Preclearance of Trades AMD Directors, officers, certain AMD employees and others that have been notified they are subject to mandatory controls must obtain preclearance prior to trading of AMDâ€™s securities. In general, these individuals are limited to trading in AMD securities during the four quarterly â€œwindowâ€ periods, which are preceded by the dissemination of AMDâ€™s financial results. AMD Directors, the Chief Executive Officer (CEO), Executive Vice Presidents, Senior Vice Presidents and Section 16 Officers are required to notify both the General Counsel and the Chief Financial Officer (CFO) of any transaction and must receive written approval from either the General Counsel or the CFO before effecting the transaction. The CFO is required to obtain approval from the General Counsel and the CEO. The General Counsel is required to obtain approval from the CFO and the CEO. The General Counsel and the CFO, or the CFO and the CEO for transactions by the General Counsel, have sole discretion to decide whether to clear any transaction. Even if you are precleared, you should never execute a trade while in possession of material nonpublic information. Thus, if you become aware of material nonpublic information after receiving preclearance or become subject to a blackout period before the transaction has been executed, the transaction may not be completed. Transactions under a previously established February 2025Â Â Â Â Rule 10b5-1 plan that has been preapproved in accordance with this Policy are not subject to further preclearance.Material Nonpublic InformationInformation is â€œmaterialâ€ if there is a substantial likelihood that a reasonable investor would consider it important in making a decision to buy, sell, or hold a security, or if the information is likely to have a significant effect on the market price of the security. Material information can be positive or negative. If the information makes you want to buy or sell, it would probably have the same effect on others. Also, information that something is likely to happen in the futureâ€"or even just that it may happenâ€"could be considered material.Examples of material information may include (but are not limited to) information about:â€¢corporate earnings or earnings forecasts; â€¢possible mergers, acquisitions, tender offers, or dispositions; â€¢major new products, product developments, roadmaps or manufacturing developments;â€¢technological developments, or discoveries, including any test results;â€¢large contracts or major business developments regarding a substantial customer or supplier (such as the gain or loss of a substantial customer or supplier);â€¢management or control changes; â€¢significant financing developments including pending public sales or offerings of debt or equity securities; â€¢defaults on borrowings; â€¢bankruptcies; â€¢cybersecurity or data security incidents; andâ€¢significant litigation or regulatory actions. Information is â€œnonpublicâ€ if it is not available to the general public. So, even if the information is widely known throughout AMD, it may still be nonpublic. For information to be considered â€œpublic,â€ it must be widely disseminated in a manner that makes it generally available to investors in a Regulation FD compliant method, such as through a press release, a filing with the U.S. Securities and Exchange Commission (the â€œSECâ€) or a Regulation FD compliant conference call. February 2025Â Â Â Â The circulation of rumors, even if accurate and reported in the media, does not constitute public dissemination. Even after a public announcement, a reasonable period of time may need to lapse in order for the market to react to the information. Generally, the passage of two full trading days following release of the information to the public, is a reasonable waiting period before such information is deemed to be â€œpublic.â€ As a practical matter, determining whether you possess material nonpublic information is sometimes difficult. If you think something might be material nonpublic information, you should treat it as it is.Prohibited TransactionsThe appearance, as well as the fact, of insider trading in AMD securities must be avoided. AMD believes it is improper and inappropriate for any AMD director, officer, employee or other third-party subject to this Policy to engage in speculative transactions involving AMD securities. You may not engage in any of the following types of transactions, regardless of whether you possess material nonpublic information or not. Short SalesYou may not engage in short sales involving AMDâ€™s securities. Short sales (the sale of a security that you do not own at the time of the sale or the sale of a security with a delayed delivery) evidence an expectation on the part of the seller that the securities will decline in value. Additionally, SectionÂ 16(c) of the Exchange Act prohibits SectionÂ 16 reporting persons (i.e., directors, officers, and AMDâ€™s 10% stockholders) from making short sales of AMDâ€™ s equity securities.OptionsYou may not engage in transactions in puts options, call options, or any other AMD derivative security on an exchange or in any other organized market. Puts are options to sell shares at a fixed price and calls are options to purchase shares at a fixed price. Hedging TransactionsYou may not engage in hedging transactions involving AMDâ€™s securities, such as prepaid variable forward contracts, equity swaps, collars and exchange funds, or other transactions that hedge or offset, or are designed to hedge or offset, any decrease in the market value of AMDâ€™s equity securities. Margin Accounts and PledgingAMD recommends that you do not pledge AMD securities as collateral for a loan,Â purchasing AMD securities on margin (i.e.,Â borrowing money to purchase the securities), orÂ placing AMD securities in a margin account. However, this recommendation does not apply to the exercise of AMD stock options or vesting of AMD restricted stock units and the immediate sale of the shares acquired. February 2025Â Â Â Â No AMD Director, CEO, Executive Vice President or Senior Vice President may pledge AMD stock as collateral unless approved by the Nominating and Governance Committee of the AMD Board of Directors (â€œNCG Committeeâ€), the CEO and the CFO. The CEO shall obtain approval from the NCG Committee, CFO and the General Counsel. Employees below Executive and Senior Vice President may not pledge AMD stock as collateral without the prior consent of the CFO and General Counsel. Approval for pledging is only granted in very limited circumstances. Any AMD stock transactions that are not addressed in this Policy, or any AMD policy, are required to receive written approval from both the CFO and the General Counsel before the transactions are executed. The CFO is required to obtain written approval from the General Counsel and the CEO. The General Counsel is required to obtain written approval from the CFO and the CEO. Rule 10b5-1 PlansThe trading restrictions set forth in this Policy, other than those transactions described under â€œProhibited Transactions,â€ do not apply to transactions under a previously established contract, plan or instruction to trade in AMDâ€™s securities entered into in accordance with Rule 10b5-1 (commonly referred to as â€œ10b5-1 planâ€) that: â€¢has been submitted to and preapproved by the General Counsel;â€¢includes a â€œCooling Off Periodâ€ â€¢foroSectionÂ 16 reporting persons that extends to the later of 90 days after adoption or modification of a 10b5-1 plan or two business days after filing the Form 10-K or Form 10-Q covering the fiscal quarter in which the 10b5-1 Plan was adopted, up to a maximum of 120 days; and oemployees and any other persons, other than AMD, that extends 30 days after adoption or modification of a 10b5-1 plan; â€¢for Section 16 reporting persons, includes a representation in the 10b5-1 plan that the SectionÂ 16 reporting person is (1) not aware of any material nonpublic information about AMD or its securities; and (2) adopting the 10b5-1 plan in good faith and not as part of a plan or scheme to evade Rule 10b5-1; â€¢has been entered into in good faith at a time when the individual was not in possession of material nonpublic information about AMD and during an open window, and the person who entered into the 10b5-1 plan has acted in good faith with respect to the 10b5-1 plan; â€¢the duration of the 10b5-1 plan is for at least 12 months, unless an exception is granted; February 2025Â Â Â Â â€¢either (1) specifies the amounts, prices, and dates of all transactions under the 10b5-1 plan; or (2) provides a written formula, algorithm, or computer program for determining the amount, price, and date of the transactions, and (3) prohibits the individual from exercising any subsequent influence over the transactions; andâ€¢complies with all other applicable requirements of Rule 10b5-1.The General Counsel may impose such other conditions on the implementation, operation, termination or modification of the 10b5-1 plan as the General Counsel deems necessary or advisable. Individuals may not adopt more than one 10b5-1 plan at a time except under the limited circumstances permitted by Rule 10b5-1 and subject to preapproval by the General Counsel.An individual may only modify a 10b5-1 plan outside of a blackout period and, in any event, when the individual does not possess material nonpublic information. Modifications and terminations of a 10b5-1 plan are subject to preapproval by the General Counsel. AMD reserves the right from time to time to suspend, discontinue, or otherwise prohibit transactions under a 10b5-1 plan if the General Counsel or the Board of Directors, in its discretion, determines that such suspension, discontinuation, or other prohibition is in the best interests of AMD.Compliance of a 10b5-1 plan with the terms of Rule 10b5-1 and the execution of transactions under the 10b5-1 plan are the sole responsibility of the person initiating the 10b5-1 plan.Interpretation, Amendment, and Implementation of this Policy The General Counsel has the authority to interpret and update this Policy and all related policies and procedures. Actions taken by AMD, the General Counsel, or any other AMD personnel do not constitute legal advice, nor do they protect you from the consequences of noncompliance with this Policy or with securities laws. To report any violations or suspected violations of this Policy, please contact the General Counsel. Questions regarding this Policy or specific transactions should be directed to AMD Stock Trading Policy Help Desk.Â February 2025Â Â Â Â EX-21 4 ex21-10kfy2412_28.htm EX-21 DocumentExhibit 21ADVANCED MICRO DEVICES, INC. LIST OF SUBSIDIARIES As of December 28, 2024Â Domestic SubsidiariesÂ Â State or Jurisdiction WhichIncorporated or OrganizedAdvanced Micro Ltd.(*)CaliforniaAMD Corporation(*)Â Â CaliforniaAuviz Systems Inc (1)(*)CaliforniaXilinx Development Corporation(1)CaliforniaHiAlgo Inc. (*)CaliforniaAMD Advanced Research, LLCDelawareAMD Design, LLCDelawareAMD (EMEA) LTD.Â Â DelawareAMD Far East Ltd.Â Â DelawareAMD International SalesÂ & Service, Ltd.Â Â DelawareAMD Latin America Ltd.Â Â DelawareAMD Research Technologies, Inc.DelawareLapland NewCo LLCDelawareLevel 5 Networks, Inc. (2)DelawareMidgard Acquisition LLC(1)(*)DelawareMipsology, Inc.(26)DelawareNod, Inc.DelawareNGCodec Inc. (1)(*)DelawarePensando Systems, Inc.DelawareSeaMicro, Inc. (*)DelawareXilinx, Inc. DelawareSilexica, Inc. (1)DelawareSolarflare Communications, Inc. (1)DelawareXilinx Holding LLC(1)DelawareForeign SubsidiariesÂ Â Xilinx Armenia LLC(1)ArmeniaATI International SRL(*) (3)BarbadosXilinx Benelux B.V. (23)BelgiumATI Technologies (Bermuda) Limited (3)BermudaAdvanced Micro Devices Belgium N.V.(6)Â Â BelgiumAMD South America Ltda.(7)Â Â BrazilATI Technologies ULC CanadaXilinx Canada Co. (8)CanadaAdvanced Micro Devices (China) Co., Ltd.Â Â ChinaAdvanced Micro Devices (Shanghai) Co., Ltd.(9)ChinaAdvanced Micro Devices Products (China) Co., Ltd. (9) ChinaChengdu Haiguang Microelectronics Technology Co., Ltd. (10)ChinaChengdu Haiguang Integrated Circuit Design Co., Ltd.(11)ChinaSuzhou TF-AMD Semiconductor Co., Ltd. (12)ChinaXilinx Technology Beijing Limited(13)ChinaXilinx Technology Shanghai Limited(8)ChinaSilo AI Denmark Aps(5)DenmarkSilo AI Oy(4)FinlandSilo GenAI Oy(5)FinlandCombient Mix Oy(28)(**)FinlandAdvanced Micro Devices S.A.S.Â Â FranceMipsology S.A.S.(1)FranceXilinx SARL(1)FranceExhibit 21Advanced Micro Devices GmbHÂ Â GermanySilexica GmbH(14)GermanyXilinx Dresden GmbH i.L.(1)(**)GermanyXilinx GmbH(1)GermanyXilinx Hong Kong Limited(8)Hong Kong SAR, ChinaAMD India Private Limited (15)Â Â IndiaSolarflare India Private Limited(25) (*)IndiaXilinx India Technology Services Private Limited(24)IndiaXilinx Finance Ireland Limited(16)IrelandXilinx Ireland Unlimited Company(16)IrelandXilinx Israel Limited(1)IsraelAdvanced Micro Devices S.p.A.Â Â ItalyAMD Japan Ltd.Â Â JapanXilinx Kabushiki Kaisha (1)JapanAdvanced Micro Devices Sdn. Bhd.Â Â MalaysiaAdvanced Micro Devices Global Services (M) Sdn. Bhd.MalaysiaATI Technologies (L) Inc. (17)MalaysiaAdvanced Micro Devices Malaysia Ltd. (18)MalaysiaTF AMD Micro Electronics (Penang) Sdn. Bhd. (19)MalaysiaMachine2Learn B.V. (5)NetherlandsXilinx NL B.V. (20)NetherlandsAdvanced Micro Devices (Poland) sp. z o.o. PolandAMD Advanced Micro Devices (ROU) S.R.L.RomaniaAdvanced Micro Devices RS d.o.o.SerbiaAdvanced Micro Devices (Singapore) Pte. Ltd.Â Â SingaporeXilinx Asia Pacific Pte. Ltd. (29)SingaporeXilinx Sales International Pte. Ltd. (16)SingaporeXilinx Singapore Holding Pte. Ltd. (16)SingaporeXilinx Holding Three Pte. Ltd. (1)SingaporeAdvanced Micro Devices (Spain), S.L. SpainAdvanced Micro Devices ABÂ Â SwedenCombient Mix AB(27)SwedenSilo AI Sweden AB(5)SwedenXilinx AB(1)SwedenAdvanced Micro Devices CH GmbHSwitzerlandAdvanced Micro Devices (U.K.) LimitedÂ Â UnitedÂ KingdomXilinx Limited(22)UnitedÂ KingdomXilinx NI Limited(13)UnitedÂ KingdomXilinx Technology Ltd. (21)UnitedÂ Kingdom_____(*) Inactive(**)In the process of being dissolved.(1)100% owned by Xilinx, Inc.(2)Subsidiary of Solarflare Communications, Inc.(3)100% owned by ATI Technologies ULC(4)Subsidiary of Lapland NewCo LLC(5)Subsidiary of Silo AI Oy(6)99.9952% owned by Advanced Micro Devices, Inc., .0048% owned by AMD International Sales & Service, Ltd.(7)99.9% owned by AMD International Sales & Service, Ltd., 0.1% owned by AMD Far East Ltd. (8)Subsidiary of Xilinx Development Corporation(9)Subsidiary of Advanced Micro Devices (China) Co., Ltd. (10)51% owned by Advanced Micro Devices, Inc.(11)30% owned by Advanced Micro Devices, Inc.Exhibit 21(12)15% owned by Advanced Micro Devices (China) Co., Ltd.(13)Subsidiary of Xilinx Singapore Holding Pte. Ltd.(14)Subsidiary of Silexica, Inc. (15)47.18% owned by ATI Technologies ULC, 52.82% owned by Advanced Micro Devices, Inc., less than 0.01% owned by AMD Far East Ltd.(16)Subsidiary of Xilinx Asia Pacific Pte. Ltd. (17)Subsidiary of ATI Technologies (Bermuda) Limited(18)Subsidiary of ATI Technologies (L) Inc.(19)15% owned by Advanced Micro Devices Sdn. Bhd.(20)Subsidiary of Xilinx Finance Ireland Ltd.(21)Subsidiary of Level 5 Networks, Inc.(22) 99.9% owned by Xilinx, Inc., 0.1% owned by Xilinx Development Corporation (23) 99.867% owned by Xilinx, Inc., 0.133% owned by Xilinx Development Corporation (24)99.9% owned by Xilinx Development Corporation, 0.1% owned by Xilinx Canada Co. (25)99.99% owned by Solarflare Communications, Inc., 0.01% owned by Level 5 Networks, Inc. (26)Subsidiary of Mipsology S.A.S.(27)Subsidiary of Silo AI Sweden AB(28)Subsidiary of Combient Mix AB(29) Subsidiary of Xilinx Holding LLC EX-23 5 ex23-10kfy24.htm EX-23 DocumentExhibit 23Consent of Independent Registered Public Accounting FirmWe consent to the incorporation by reference in the following Registration Statements of Advanced Micro Devices, Inc.:â€¢Registration Statement on Form S-8 (No. 333-115474) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333-134853) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan and the Advanced Micro Devices, Inc. 2000 Employee Stock Purchase Plan;â€¢Registration Statement on Form S-8 (No. 333-159367) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333- 166616) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333-181451) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€ ¢Registration Statement on Form S-8 (No. 333- 190039) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333-195984) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333- 204166) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333-211438) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Post-Effective Amendment No. 1 to Registration Statement on Form S-8 (No. 333-204166) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan;â€¢Registration Statement on Form S-8 (No. 333-217784) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan and 2017 Employee Stock Purchase Plan;â€¢Registration Statement on Form S-8 (No. 333-232922) pertaining to the Advanced Micro Devices, Inc. 2004 Equity Incentive Plan; â€¢Registration Statement on Form S-3 (No. 333-265433); â€¢Registration Statement on Form S-8 (No. 333-262698) pertaining to the Xilinx, Inc. 2007 Equity Incentive Plan; andâ€¢Registration Statement on Form S-8 (no. 333-272042) pertaining to the Advanced Micro Devices, Inc. 2023 Equity Incentive Planof our reports dated FebruaryÂ 5, 2025, with respect to the consolidated financial statements of Advanced Micro Devices, Inc. and the effectiveness of internal control over financial reporting of Advanced Micro Devices, Inc. included in this Annual Report (Form 10-K) of Advanced Micro Devices, Inc. for the year ended December 28, 2024./s/ ErnstÂ & Young LLPSan Jose, CaliforniaFebruaryÂ 5, 2025 EX-24 6 ex24-10kfy24.htm EX-24 DocumentExhibit 24POWER OF ATTORNEYKNOW ALL BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Jean Hu and Ava Hahn, and each of them, his or her true and lawful attorneys-in-fact and agents, with full power of substitution and re-substitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign Advanced Micro Devices, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 28, 2024, and any and all amendments thereto, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.SignatureTitleDate/s/Lisa T. SuChair, President and Chief Executive Officer, DirectorFebruaryÂ 5, 2025Lisa T. Su/s/Jean HuExecutive Vice President, Chief Financial Officer and TreasurerFebruaryÂ 5, 2025Jean Hu/s/Philip M. CarterCorporate Vice President, Chief Accounting OfficerFebruaryÂ 5, 2025Philip M. Carter/s/Nora M. DenzelDirector, Lead Independent DirectorFebruary 3, 2025Nora M. Denzel/s/Mark DurcanDirectorFebruary 3, 2025Mark Durcan/s/Mike P. GregoireDirectorFebruary 3, 2025Mike P. Gregoire/s/Joe A. HouseholderDirectorFebruary 3, 2025Joe A. Householder/s/John W. MarrenDirectorFebruary 4, 2025John W. Marren/s/Jon A. OlsonDirectorFebruary 3, 2025Jon A. Olson/s/Abhi Y. TalwalkarDirectorFebruary 3, 2025Abhi Y. Talwalkar/s/Beth W. VandersliceDirectorFebruary 3, 2025Beth W. Vanderslice EX-31.1 7 ex311-10kfy24.htm EX-31.1 DocumentExhibit 31.1Certification of Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002I, Lisa T. Su, certify that:1.Â Â Â Â I have reviewed this annual report on Form 10-K of Advanced Micro Devices, Inc. (the â€œCompanyâ€);2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Company as of, and for, the periods presented in this report;Â 4.Â Â Â Â The Companyâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Company and have:Â Â Â Â Â Â Â a)Â Â Â Â designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;Â Â Â Â Â Â Â b)Â Â Â Â designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;Â Â Â Â c)Â Â Â Â evaluated the effectiveness of the Companyâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation;Â andÂ Â Â Â Â Â d)Â Â Â Â disclosed in this report any change in the Companyâ€™s internal control over financial reporting that occurred during the Companyâ€™s most recent fiscal quarter (the Companyâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting; 5.Â Â Â Â The Companyâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Companyâ€™s auditors and the audit committee of the Companyâ€™s board of directors (or persons performing the equivalent functions):Â Â Â Â Â Â Â a)Â Â Â Â all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Companyâ€™s ability to record, process, summarize and report financial information; andÂ Â Â b)Â Â Â Â any fraud, whether or not material, that involves management or other employees who have a significant role in the Companyâ€™s internal control over financial reporting.Date: Â Â Â FebruaryÂ 5, 2025/s/Lisa T. SuLisa T. SuChair, President and Chief Executive Officer(Principal Executive Officer) EX-31.2 8 ex312-10kfy24.htm EX-31.2 DocumentExhibit 31.2Certification of Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002I, Jean Hu, certify that:1.Â Â Â Â I have reviewed this annual report on Form 10-K of Advanced Micro Devices, Inc. (the â€œCompanyâ€);2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Company as of, and for, the periods presented in this report;Â 4.Â Â Â Â The Companyâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Company and have:Â Â Â Â Â Â Â a)Â Â Â Â designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;Â Â Â Â Â Â Â b)Â Â Â Â designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;Â Â Â Â c)Â Â Â Â evaluated the effectiveness of the Companyâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation;Â andÂ Â Â Â Â Â d)Â Â Â Â disclosed in this report any change in the Companyâ€™s internal control over financial reporting that occurred during the Companyâ€™s most recent fiscal quarter (the Companyâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting; 5.Â Â Â Â The Companyâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Companyâ€™s auditors and the audit committee of the Companyâ€™s board of directors (or persons performing the equivalent functions):Â Â Â Â Â Â Â a)Â Â Â Â all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Companyâ€™s ability to record, process, summarize and report financial information; andÂ Â Â b)Â Â Â Â any fraud, whether or not material, that involves management or other employees who have a significant role in the Companyâ€™s internal control over financial reporting.Date: Â Â FebruaryÂ 5, 2025/s/Jean HuJean HuExecutive Vice President,Chief Financial Officer and Treasurer(Principal Financial Officer) EX-32.1 9 ex321-10kfy24.htm EX-32.1 DocumentExhibit 32.1Certification of Principal Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of Advanced Micro Devices, Inc. (the "Company") hereby certifies, to such officer's knowledge, that:(i.)the Annual Report on Form 10-K of the Company for the period ended December 28, 2024 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and (ii.)the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Date: Â Â Â FebruaryÂ 5, 2025/s/Lisa T. SuLisa T. SuChair, President and Chief Executive Officer(Principal Executive Officer) EX-32.2 10 ex322-10kfy24.htm EX-32.2 DocumentExhibit 32.2Certification of Principal Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of Advanced Micro Devices, Inc. (the "Company") hereby certifies, to such officer's knowledge, that:(i.)the Annual Report on Form 10-K of the Company for the period ended December 28, 2024 (the "Report") fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and (ii.)the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.Date: Â Â FebruaryÂ 5, 2025/s/Jean HuJean HuExecutive Vice President,Chief Financial Officer and Treasurer(Principal Financial Officer) EX-101.SCH 11 amd-20241228.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 0000002 - Document - Audit Information link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Consolidated Statements of Operations link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Consolidated Statements of Comprehensive Income link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Consolidated Statements of Stockholders Equity link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 9952157 - Disclosure - The Company link:presentationLink link:calculationLink link:definitionLink 9952158 - Disclosure - Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Supplemental Balance Sheet Information link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Segment Reporting link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Business Combinations and Asset Acquisitions link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Intangible Assets, Goodwill and Other link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Goodwill link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Related Parties - Equity Joint Ventures link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Debt and Revolving Credit Facility link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Financial Instruments link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Concentrations of Credit and Operation Risk link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Accumulated Other Comprehensive Income (Loss) link:presentationLink link:calculationLink link:definitionLink 9952169 - Disclosure - Earnings Per Share link:presentationLink link:calculationLink link:definitionLink 9952170 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans link:presentationLink link:calculationLink link:definitionLink 9952171 - Disclosure - Retirement Benefit Plans link:presentationLink link:calculationLink link:definitionLink 9952172 - Disclosure - Restructuring and Related Activities link:presentationLink link:calculationLink link:definitionLink 9952173 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 9952174 - Disclosure - Other Expense, Net link:presentationLink link:calculationLink link:definitionLink 9952175 - Disclosure - Commitments and Guarantees link:presentationLink link:calculationLink link:definitionLink 9952176 - Disclosure - Contingencies link:presentationLink link:calculationLink link:definitionLink 9952177 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 9955511 - Disclosure - Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 9955512 - Disclosure - Supplemental Balance Sheet Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9955513 - Disclosure - Segment Reporting (Tables) link:presentationLink link:calculationLink link:definitionLink 9955514 - Disclosure - Business Combinations and Asset Acquisitions (Tables) link:presentationLink link:calculationLink link:definitionLink 9955515 - Disclosure - Intangible Assets, Goodwill and Other (Tables) link:presentationLink link:calculationLink link:definitionLink 9955516 - Disclosure - Debt and Revolving Credit Facility (Tables) link:presentationLink link:calculationLink link:definitionLink 9955517 - Disclosure - Financial Instruments (Tables) link:presentationLink link:calculationLink link:definitionLink 9955518 - Disclosure - Accumulated Other Comprehensive Income (Loss) (Tables) link:presentationLink link:calculationLink link:definitionLink 9955519 - Disclosure - Earnings Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 9955520 - 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Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure (Details) link:presentationLink link:calculationLink link:definitionLink 9955528 - Disclosure - Supplemental Balance Sheet Information - Property and Equipment, net (Details) link:presentationLink link:calculationLink link:definitionLink 9955529 - Disclosure - Supplemental Balance Sheet Information - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955530 - Disclosure - Supplemental Balance Sheet Information - Schedule of Accrued Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955531 - Disclosure - Supplemental Balance Sheet Information Remaining Performance Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955531 - Disclosure - Supplemental Balance Sheet Information Remaining Performance Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955532 - Disclosure - Segment Reporting - Summary of Operations by Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9955533 - Disclosure - Segment Reporting - Components of Other Operating Income (Loss) (Details) link:presentationLink link:calculationLink link:definitionLink 9955534 - Disclosure - Segment Reporting - External Customers by Geographic Region (Details) link:presentationLink link:calculationLink link:definitionLink 9955535 - Disclosure - Segment Reporting - Sales by Customer (Details) link:presentationLink link:calculationLink link:definitionLink 9955536 - Disclosure - Segment Reporting - Property and Equipment, Net by Geographic Region (Details) link:presentationLink link:calculationLink link:definitionLink 9955537 - Disclosure - Business Combinations and Asset Acquisitions (Details) link:presentationLink link:calculationLink link:definitionLink 9955538 - Disclosure - Intangible Assets, Goodwill and Other (Details) link:presentationLink link:calculationLink link:definitionLink 9955539 - Disclosure - Goodwill (Details) link:presentationLink link:calculationLink link:definitionLink 9955540 - Disclosure - Related Parties - Equity Joint Ventures (Details) link:presentationLink link:calculationLink link:definitionLink 9955541 - Disclosure - Debt and Revolving Credit Facility -Summary of Debt and Other Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955542 - Disclosure - Debt and Revolving Credit Facility - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955543 - Disclosure - Debt and Revolving Credit Facility - Interest Expense Recognized (Details) link:presentationLink link:calculationLink link:definitionLink 9955544 - Disclosure - Debt and Revolving Credit Facility - Future Payments on Total Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9955545 - Disclosure - Financial Instruments - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955546 - Disclosure - Financial Instruments - Schedule of Carrying Amounts and Estimated Fair Values of Financial Instruments not Recorded at Fair Value (Details) link:presentationLink link:calculationLink link:definitionLink 9955547 - Disclosure - Financial Instruments - Cash, Cash Equivalents, and Marketable Securities Fair Value Measurements (Details) link:presentationLink link:calculationLink link:definitionLink 9955548 - Disclosure - Financial Instruments - Financial Instruments Not Recorded at Fair value (Details) link:presentationLink link:calculationLink link:definitionLink 9955549 - Disclosure - Concentrations of Credit and Operation Risk (Details) link:presentationLink link:calculationLink link:definitionLink 9955550 - Disclosure - Accumulated Other Comprehensive Income (Loss) (Details) link:presentationLink link:calculationLink link:definitionLink 9955551 - Disclosure - Earnings Per Share (Details) link:presentationLink link:calculationLink link:definitionLink 9955552 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Common Stock Activities (Details) link:presentationLink link:calculationLink link:definitionLink 9955553 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955554 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Allocation of Recognized Period Costs (Details) link:presentationLink link:calculationLink link:definitionLink 9955555 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Stock Option Valuation Assumptions (Details) link:presentationLink link:calculationLink link:definitionLink 9955556 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for Stock Options (Details) link:presentationLink link:calculationLink link:definitionLink 9955557 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Restricted Stock Units Activates and PRSUs (Details) link:presentationLink link:calculationLink link:definitionLink 9955558 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for PRSUs (Details) link:presentationLink link:calculationLink link:definitionLink 9955559 - Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for ESPP (Details) link:presentationLink link:calculationLink link:definitionLink 9955560 - Disclosure - Retirement Benefit Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955561 - Disclosure - Restructuring and Related Activities (Details) link:presentationLink link:calculationLink link:definitionLink 9955562 - Disclosure - Income Taxes - Schedule of Income (Loss) Before Income Tax (Details) link:presentationLink link:calculationLink link:definitionLink 9955563 - Disclosure - Income Taxes - Schedule of Provisions (Benefit) for Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 9955564 - Disclosure - Income Taxes - Schedule of Effective Income Tax Rate Reconciliation (Details) link:presentationLink link:calculationLink link:definitionLink 9955565 - Disclosure - Income Taxes - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955566 - Disclosure - Income Taxes - Schedule of Deferred Tax Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9955567 - Disclosure - Income Taxes - Movement in Deferred Tax Valuation Allowance (Details) link:presentationLink link:calculationLink link:definitionLink 9955568 - Disclosure - Income Taxes - Schedule of Deferred Tax Assets and Liabilities, Current and Noncurrent (Details) link:presentationLink link:calculationLink link:definitionLink 9955569 - Disclosure - Income Taxes - Summary of Tax Attribute Carryforwards (Details) link:presentationLink link:calculationLink link:definitionLink 9955570 - Disclosure - Income Taxes - Schedule of Gross Unrecognized Tax Benefits (Details) link:presentationLink link:calculationLink link:definitionLink 9955571 - Disclosure - Other Expense, Net (Details) link:presentationLink link:calculationLink link:definitionLink 9955572 - Disclosure - Commitments and Guarantees - Supplemental Information Related to Leases (Details) link:presentationLink link:calculationLink link:definitionLink 9955573 - Disclosure - Commitments and Guarantees - Operating Lease Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955573 - Disclosure - Commitments and Guarantees - Operating Lease Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955574 - Disclosure - Commitments and Guarantees - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9955575 - Disclosure - Commitments and Guarantees - Unconditional Purchase Obligations (Details) link:presentationLink link:calculationLink link:definitionLink 9955576 - Disclosure - Commitments and Guarantees - Schedule of Changes in Product Warranty Liability (Details) link:presentationLink link:calculationLink link:definitionLink 9955577 - Disclosure - Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9955578 - Disclosure - Subsequent Events (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 12 amd-20241228_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 13 amd-20241228_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 14 amd-20241228_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term Maximum percent of earnings withheld during offering period Share-Based Compensation Arrangement by Share-Based Payment Award, Maximum Employee Subscription Rate Adjustments to reconcile net income to net cash provided by operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Share Repurchase Program, Remaining Authorized, Amount Share Repurchase Program, Remaining Authorized, Amount Statutory federal income tax expense at 21% Effective Income Tax Rate Reconciliation at Federal Statutory Income Tax Rate, Amount Cumulative undistributed earnings that could be subject to withholding taxes Tax Cuts and Jobs Act, Transition Tax for Accumulated Foreign Earnings, Liability Cover [Abstract] Cover [Abstract] 2026 and thereafter Lessee, Operating Lease, Liability, to be Paid, after Year Five Net increase (decrease) in cash, cash equivalents and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Amortization of acquisition-related intangibles_Opex Amortization of acquisition-related intangibles_Opex Amortization of acquisition-related intangibles_Opex Operating Lease, Liability, Maturity Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Income Tax Jurisdiction [Domain] Income Tax Jurisdiction [Domain] Trading Symbol Trading Symbol Equity interest in each JV Equity Method Investment, Ownership Percentage Debt Instrument, Redemption, Period [Axis] Debt Instrument, Redemption, Period [Axis] Derivative Asset, Subject to Master Netting Arrangement, before Offset Derivative Asset, Subject to Master Netting Arrangement, before Offset Non-NEOs Non-NEOs [Member] Income tax benefit Share-Based Payment Arrangement, Expense, Tax Benefit Goodwill Goodwill and Intangible Assets, Goodwill, Policy [Policy Text Block] Schedule of Nonvested Restricted Stock Units Activities [Line Items] Schedule of Nonvested Restricted Stock Units Activities [Line Items] [Line Items] for Disclosure of the changes in outstanding nonvested restricted stock units during the year. Short-term Investments Short-Term Investments [Member] Cash Equivalents Cash Equivalents [Member] Debt Instrument, Redemption, Period [Domain] Debt Instrument, Redemption, Period [Domain] Accounts receivable, net Increase (Decrease) in Accounts Receivable Equity Securities, FV-NI, Gain (Loss) Equity Securities, FV-NI, Gain (Loss) ZT Systems ZT Systems [Member] ZT Systems The Company Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Inventories Inventory, Policy [Policy Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Hedging Relationship [Domain] Hedging Relationship [Domain] Award Timing Disclosures [Line Items] Investment, Name [Domain] Investment, Name [Domain] Operating Lease, Payments, Use Operating Lease, Payments, Use Portion at Fair Value Measurement [Member] Portion at Fair Value Measurement [Member] Interest income Interest Income (Expense), Operating Number of claims Loss Contingency, Pending Claims, Number 2026 Purchase Obligation, to be Paid, Year Two Federal and state tax credit carryovers Deferred Tax Assets, Tax Credit Carryforwards Plan Name [Domain] Plan Name [Domain] UNITED STATES UNITED STATES Employee equity plans and warrants (in shares) Weighted Average Number of Shares Outstanding, Diluted, Adjustment Other non-current assets Other Assets, Noncurrent Finite-Lived Intangible Assets, Gross Finite-Lived Intangible Assets, Gross Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Foreign R&D and investment tax credits Deferred Tax Assets, Tax Credit Carryforwards, Research Effective Income Tax Rate Reconciliation, FDII, Amount Effective Income Tax Rate Reconciliation, FDII, Amount Effective Income Tax Rate Reconciliation, FDII, Amount Operating Segments Operating Segments [Member] Net cash provided by operating activities Net Cash Provided by (Used in) Operating Activities Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities [Abstract] Schedule of Accumulated Other Comprehensive Income (Loss) Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Share-based Compensation, Allocation of Recognized Period Costs [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Europe TAIWAN Measurement Frequency [Axis] Measurement Frequency [Axis] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Insider Trading Policies and Procedures [Line Items] Use of Estimates Use of Estimates, Policy [Policy Text Block] Schedule of Nonvested Restricted Stock Units Activities [Table] Schedule of Nonvested Restricted Stock Units Activities [Table] Disclosure of the changes in outstanding nonvested restricted stock units during the year. Adjustment to Compensation, Amount Adjustment to Compensation Amount Additional paid-in capital Additional Paid in Capital, Common Stock Compensation Amount Outstanding Recovery Compensation Amount Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Entity Small Business Entity Small Business Company Selected Measure Amount Company Selected Measure Amount Tabular List, Table Tabular List [Table Text Block] Fair Value, Inputs, Level 3 Fair Value, Inputs, Level 3 [Member] Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Estimated environmental liability Accrual for Environmental Loss Contingencies If-converted value in excess of principal Debt Instrument, Convertible, If-converted Value in Excess of Principal Accrued liabilities Accrued liabilities Accrued Liabilities, Current Antidilutive securities excluded from computation of earnings per share, amount (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Credit Facility [Domain] Credit Facility [Domain] Goodwill Goodwill THATIC JV

THATIC JV [Member] THATIC JV [Member] Total revenue recognized over time Percentage of Revenue to Total Revenue Percentage of Revenue to Total Revenue Payment, Tax Withholding, Share-based Payment Arrangement Stock repurchases for tax withholding on employee equity plans Payment, Tax Withholding, Share-Based Payment Arrangement Other Comprehensive Income (Loss), Net of Tax [Abstract] Other Comprehensive Income (Loss), Net of Tax [Abstract] Share Repurchase Program, Authorized, Amount Share Repurchase Program, Authorized, Amount Settlements during the period Standard and Extended Product Warranty Accrual, Decrease for Payments Customer Contracts Customer Contracts [Member] Stock Options Share-Based Payment Arrangement, Option [Member] Depreciation Depreciation 2021 Lessee, Operating Lease, Liability, to be Paid, Year One Other Proceeds from (Payments for) Other Financing Activities Antidilutive Security, Excluded EPS Calculation [Table] Antidilutive Security, Excluded EPS Calculation [Table] Total comprehensive income Comprehensive Income (Loss), Net of Tax, Attributable to Parent Investments Classified by Contractual Maturity Date Investments Classified by Contractual Maturity Date [Table Text Block] us-gaap_FairValueMeasurementsRecurring-Def Comp us-gaap_FairValueMeasurementsRecurring-Def Comp [Member] us-gaap_FairValueMeasurementsRecurring-Def Comp Award Type [Axis] Award Type [Axis] Deferred Tax Liabilities, Net Deferred Tax Liabilities, Net Cumulative Effect, Period of Adoption, Adjustment Cumulative Effect, Period of Adoption, Adjustment [Member] Property and equipment, net Property and equipment, net Property, Plant and Equipment, Net Repayment of debt Repayment of debt Repayments of Debt ICFR Auditor Attestation Flag ICFR Auditor Attestation Flag Exercisable, end of period (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price Convertible Debt Convertible Debt [Member] Other Countries [Member] Other Countries [Member] Other Countries [Member]. Common stock, par value (USD per share) Common Stock, Par or Stated Value Per Share Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life Foreign Currency Translation/Transactions Foreign Currency Transactions and Translations Policy [Policy Text Block] Secured Revolving Line of Credit Revolving Credit Facility [Member] Expiration Date Trading Arrangement Expiration Date Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Operating Lease, Liability, Current Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Threshold consecutive trading days Debt Instrument, Convertible, Threshold Consecutive Trading Days Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Net operating loss carryovers Deferred Tax Assets, Operating Loss Carryforwards Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount Equipment Equipment [Member] Subsequent Event [Line Items] Subsequent Event [Line Items] Property and equipment, gross Property, Plant and Equipment, Gross Exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Long-Term Debt Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Long-Term Debt Debt Instrument [Line Items] Debt Instrument [Line Items] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Weighted- Average Exercise Price Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Research and development Research and Development Expense [Member] Diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted Loans and Leases Receivable, Related Parties Loans and Leases Receivable, Related Parties Accrued Liabilities Accrued Liabilities [Member] MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] 2025 Purchase Obligation, to be Paid, Year One Total stockholdersâ€™ equity Beginning balance Ending balance Equity, Attributable to Parent Total deferred tax assets Deferred Tax Assets, Gross Effective Income Tax Rate Reconciliation, GILTI, Amount Effective Income Tax Rate Reconciliation, GILTI, Amount Cash and Cash Equivalents, Unrestricted Cash and Cash Equivalents, Policy Cash and Cash Equivalents, Unrestricted Cash and Cash Equivalents, Policy [Policy Text Block] Treasury Stock, Value Treasury Stock, Value Financial Instruments Financial Instruments Disclosure [Text Block] Construction in progress Construction in Progress, Gross Schedule of Goodwill Schedule of Goodwill [Table Text Block] Concentration Risk Type [Domain] Concentration Risk Type [Domain] Investment Holdings, Schedule of Investments Investment Holdings, Schedule of Investments [Table Text Block] New Accounting Pronouncements or Change in Accounting Principle [Table] Accounting Standards Update and Change in Accounting Principle [Table] Letters of credit, outstanding balance Letters of Credit Outstanding, Amount Marketing, general and administrative Selling, General and Administrative Expense Amount of company contributions to the 401(k) plan Defined Contribution Plan, Cost Accounts Payable Accounts Payable Other Non-current Assets Schedule of Other Assets [Table Text Block] Cost of sales Cost of Sales [Member] Shares available for issuance (shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized Document Fiscal Period Focus Document Fiscal Period Focus 2023 Long-Term Debt, Maturity, Year Four Acquisition-related and other costs Acquisition-related and other costs Business Combination, Acquisition Related Costs All Executive Categories All Executive Categories [Member] Statement of Financial Position Location, Balance [Domain] Statement of Financial Position Location, Balance [Domain] pre-combination unvested restricted stock units assumed pre-combination unvested restricted stock units assumed [Member] pre-combination unvested restricted stock units assumed Convertible Debt Securities [Member] Convertible Debt Securities [Member] Schedule of Restructuring Reserve by Type of Cost Schedule of Restructuring Reserve by Type of Cost [Table Text Block] Equity Securities Equity Securities [Member] Finite-Lived Intangible Asset, Expected Amortization, Year Two Finite-Lived Intangible Asset, Expected Amortization, Year Two Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] ASSETS Assets [Abstract] Expected dividends Expected dividends Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Dividend Rate Document Type Document Type Derivative Contract [Domain] Derivative Contract [Domain] Effective interest rate Debt Instrument, Interest Rate, Effective Percentage 7.50% Senior Notes due 2022 [Member] 7.50% Senior Notes due 2022 [Member] 7.50% Senior Notes due 2022 [Member] Schedule of Segment Reporting Information, by Segment Schedule of Segment Reporting Information, by Segment [Table Text Block] Estimated license fees earned over time Estimated License Fees Earned Over Time Total amount before taxes of estimated other operating income from license fees expected be earned over several years pursuant to a licensing agreement. Interest Expense, Debt, Excluding Amortization Interest Expense, Debt, Excluding Amortization Business Combination, Pro Forma Information, Earnings or Loss of Acquiree since Acquisition Date, Actual Business Combination, Pro Forma Information, Earnings or Loss of Acquiree since Acquisition Date, Actual Debt Securities, Available-for-Sale, Amortized Cost Debt Securities, Available-for-Sale, Amortized Cost Short-term debt Short-Term Debt, Fair Value Restricted stock units, shares purchased, weighted average price per share (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Exercise Price Schedule of Finite-Lived Intangible Assets, Future Amortization Expense Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block] Subsequent Event [Table] Subsequent Event [Table] Maximum Maximum [Member] Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Finite-Lived Intangible Assets, Net Finite-Lived Intangible Assets, Net Antidilutive Securities [Axis] Antidilutive Securities [Axis] Accounts payable Accounts Payable, Current Investment Type [Axis] Investment Type [Axis] ATMP JV ATMP JV [Member] ATMP JV [Member] Schedule of Share-based Payment Award, Stock Options, Valuation Assumptions Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Statistical Measurement [Axis] Statistical Measurement [Axis] Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Income before income taxes and equity income Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Other Significant Noncash Transaction, Value of Consideration Given Other Significant Noncash Transaction, Value of Consideration Given Name Outstanding Recovery, Individual Name Variable lease, cost Variable Lease, Cost Research credits Effective Income Tax Rate Reconciliation, Tax Credit, Amount Amortization of Inventory FV adjustment Amortization of Inventory FV adjustment [Member] Amortization of Inventory FV adjustment Award Timing Predetermined Award Timing Predetermined [Flag] common and treasury stock issued common and treasury stock issued [Member] common and treasury stock issued Pensando Pensando [Member] Pensando Subsequent Event Type [Domain] Subsequent Event Type [Domain] Investment, Name [Axis] Investment, Name [Axis] Redemption price, percentage Debt Instrument, Redemption Price, Percentage Customer Relationships Customer Relationships [Member] Diluted (in usd per share) Earnings Per Share, Diluted Counterparty Name [Domain] Counterparty Name [Domain] Revenue Recognition Revenue from Contract with Customer [Policy Text Block] State/Provincial State and Local Jurisdiction [Member] U.S. Income (Loss) from Continuing Operations before Income Taxes, Domestic Schedule of Nonvested Performance-based Units Activity Schedule of Nonvested Performance-Based Units Activity [Table Text Block] Total Current Income Tax Expense (Benefit) Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Exercisable December 28, 2024 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Exercisable, Weighted Average Remaining Contractual Term Range of target shares granted Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage Retirement Benefits [Abstract] Retirement Benefits [Abstract] Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay Deferred tax liabilities: Deferred Tax Liabilities, Gross [Abstract] Total Assumed Unvested Restricted Stock Units Total Assumed Unvested Restricted Stock Units [Member] Total Assumed Unvested Restricted Stock Units Customer [Axis] Customer [Axis] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Asset-Backed Securities Asset-Backed Securities [Member] Unrecognized Tax Benefits, Income Tax Penalties Expense Unrecognized Tax Benefits, Income Tax Penalties Expense Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount Other Deferred Tax Liabilities, Other Restricted stock units, shares vested, total fair value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Fair Value Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Inventory Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Inventory Income tax provision (benefit) Income tax provision (benefit) Income Tax Expense (Benefit) PSU RF Range [Domain] PSU RF Range [Domain] PSU RF Range [Domain] Xilinx 2007 Plan Xilinx 2007 Plan [Member] Xilinx 2007 Plan Derivative, notional amount Derivative, Notional Amount Total unconditional purchase commitments Recorded Unconditional Purchase Obligation Common Stock and Stock-Based Incentive Compensation Plans Shareholders' Equity and Share-Based Payments [Text Block] Weighted-average remaining recognition period (in years) Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition 2004 Plan [Member] 2004 Plan [Member] 2004 Plan Net revenue Revenue from Contract with Customer, Excluding Assessed Tax 2017 Plan [Member] 2017 Plan [Member] 2017 Plan Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Inventory loss at contract manufacturer Inventory loss at contract manufacturer Inventory Write-down Net cash provided by (used in) investing activities Net Cash Provided by (Used in) Investing Activities Interest expense Interest Expense, Operating and Nonoperating Income Tax Jurisdiction [Axis] Income Tax Jurisdiction [Axis] Tax effect from intercompany integration transaction [Line Items] Tax effect from intercompany integration transaction [Line Items] Tax effect from intercompany integration transaction All Adjustments to Compensation All Adjustments to Compensation [Member] Accrued compensation and benefits Employee-related Liabilities, Current Prepaid expenses and other assets Increase (Decrease) in Prepaid Expense and Other Assets Short-term Debt, Type [Domain] Short-Term Debt, Type [Domain] Schedule ofÂ Other Expense, Net Schedule of Other Nonoperating Income (Expense) [Table Text Block] Restructuring charges Restructuring charges Restructuring Charges Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income (Loss) [Line Items] Swingline Subfacility Swingline Subfacility [Member] Swingline Subfacility [Member] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Nonrecurring Adjustment [Axis] Nonrecurring Adjustment [Axis] Defined Contribution Plan Disclosure [Line Items] Defined Contribution Plan Disclosure [Line Items] Related Party Transaction [Axis] Related Party Transaction [Axis] Expected timing of satisfaction, period Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member] US Government Agencies Debt Securities US Government Agencies Debt Securities [Member] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Entity Address, State or Province Entity Address, State or Province Weighted average purchase price (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Per Share Weighted Average Price of Shares Purchased Schedule of Equity Method Investments [Line Items] Schedule of Equity Method Investments [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Schedule of Future Unconditional Purchase Obligations Recorded Unconditional Purchase Obligations [Table Text Block] Long-term Debt, Type [Domain] Financial Instruments [Domain] Weighted-average grant date fair value (usd per share) Beginning of period, (USD per share) End of period, (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value LIABILITIES AND STOCKHOLDERSâ€™ EQUITY Liabilities and Equity [Abstract] Embedded Embedded [Member] Embedded Number of claims filed Loss Contingency, New Claims Filed, Number Number of plaintiffs Loss Contingency, Number of Plaintiffs Risks and Uncertainties [Abstract] Risks and Uncertainties [Abstract] Restatement Determination Date Restatement Determination Date Estimated FairÂ Value Estimate of Fair Value Measurement [Member] Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Licensing Gain Licensing Gain [Member] Licensing gain [Member] Marketing, communications and advertising expenses Marketing and Advertising Expense Balance, beginning of period (USD per share) Balance, end of period (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Concentration Risk [Table] Concentration Risk [Table] Operating lease right-of-use assets Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Balance, beginning of period (in shares) Balance, end of period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Number of patents allegedly infringed Loss Contingency, Patents Allegedly Infringed, Number Short-term Debt, Type [Axis] Short-Term Debt, Type [Axis] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other Earnings Per Share Earnings Per Share [Text Block] Restructuring, Impairment, and Other Activities Disclosure Restructuring, Impairment, and Other Activities Disclosure [Text Block] Payables to related parties Accounts Payable, Other, Current Subsequent Event Subsequent Event [Member] Schedule of ESPP Schedule of Share-Based Payment Award, Employee Stock Purchase Plan, Valuation Assumptions [Table Text Block] Convertible Debt Convertible Debt [Table Text Block] Weighted Average Grant Date Fair Value (USD per share) Granted (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Income Taxes Income Tax, Policy [Policy Text Block] Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Restructuring Plan [Axis] Restructuring Plan [Axis] Segments [Domain] Segments [Domain] Land, building and leasehold improvements Leasehold Improvements, Gross Unrecognized Tax Benefits [Roll Forward] Unrecognized Tax Benefits [Roll Forward] Proceeds from Lines of Credit Proceeds from Lines of Credit Depreciation and amortization Other Depreciation and Amortization PEO PEO [Member] Issuance of common stock upon warrant exercise, shares Issuance of common stock upon warrant exercise, shares Issuance of common stock upon warrant exercise, shares Deferred Tax Asset [Domain] Deferred Tax Asset [Domain] Name Trading Arrangement, Individual Name Property, Plant and Equipment, Type [Axis] Long-Lived Tangible Asset [Axis] Entity Public Float Entity Public Float Equity income in investee Income (Loss) from Equity Method Investments Commitments and Guarantees Commitments Contingencies and Guarantees [Text Block] Cost, Depreciation, Amortization and Depletion Cost, Depreciation, Amortization and Depletion Income before income taxes and equity income Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Noncontrolling Interest Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Cash and Cash Equivalents, Fair Value Disclosure Cash and Cash Equivalents, Fair Value Disclosure Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Fair Value Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Fair Value Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Local Phone Number Local Phone Number Intangible Assets, Gross (Excluding Goodwill) Intangible Assets, Gross (Excluding Goodwill) PSU Volatility - Minimum [Domain] PSU Volatility - Minimum [Domain] PSU Volatility - Minimum [Domain] Prepaid Expenses and Other Current Assets Prepaid Expenses and Other Current Assets [Member] Deferred Tax Assets, Valuation Allowance Less: valuation allowance Beginning balance Ending balance Deferred Tax Assets, Valuation Allowance Total debt (net) Debt, Long-Term and Short-Term, Combined Amount Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Payments to Acquire Interest in Subsidiaries and Affiliates Payments to Acquire Interest in Subsidiaries and Affiliates Other Restructuring Other

Restructuring [Member] Equity Method Investment [Table] Equity Method Investment [Table] Asset Acquisition [Line Items] Asset Acquisition [Line Items] principal balance of notes assumed principal balance of notes assumed [Member] principal balance of notes assumed Weighted-Average Remaining Contractual Life (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Additional Disclosures [Abstract] Changes in operating assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Document Financial Statement Restatement Recovery Analysis [Flag] Document Financial Statement Restatement Recovery Analysis [Flag] PEO Total Compensation Amount PEO Total Compensation Amount Purchase price of common stock Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent Goodwill, Transfers Goodwill, Transfers Business Acquisition, Equity Interest Issued or Issuable, Number of Shares Business Acquisition, Equity Interest Issued or Issuable, Number of Shares Withholding taxes on cross-border transactions Withholding taxes on cross-border transactions Withholding taxes on cross-border transactions Post-Combination Unvested Restricted Stock Unit Post-Combination Unvested Restricted Stock Unit [Member] Post-Combination Unvested Restricted Stock Unit Property, Plant and Equipment, Type [Domain] Long-Lived Tangible Asset [Domain] Statement of Income Location, Balance Statement of Income Location, Balance [Axis] Summary of Property and Equipment by Geographic region Long-Lived Assets by Geographic Areas [Table Text Block] Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common stock Common Stock [Member] Impairment or Disposal of Long-Lived Assets, Including Intangible Assets, Policy Impairment or Disposal of Long-Lived Assets, Including Intangible Assets, Policy [Policy Text Block] Schedule of Financial Statements [Table] Condensed Financial Statements [Table] Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Debt Instrument, circumstance 1 Debt Instrument, Redemption, Period One [Member] Line of Credit Line of Credit [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Marketable Securities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Marketable Securities Open Tax Year Open Tax Year Segment Reporting [Abstract] Segment Reporting [Abstract] Derivative Instruments in Hedges, Assets, at Fair Value Derivative Instruments in Hedges, Assets, at Fair Value Common stock repurchases for tax withholding on equity awards (in shares) Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation Entity Central Index Key Entity Central Index Key Segment Reporting, Other Segment Item, Amount Segment Reporting, Other Segment Item, Amount Inventories, net Schedule of Inventory, Current [Table Text Block] Equity Method Investments and Joint Ventures [Abstract] Equity Method Investments and Joint Ventures [Abstract] Other Acquisitions Other Acquisitions [Member] Other Acquisitions Unrecognized tax benefits, income tax penalties and interest accrued Unrecognized Tax Benefits, Income Tax Penalties and Interest Accrued Issuance of common stock to partially settle convertible debt (in shares) Debt Conversion, Converted Instrument, Shares Issued Deferred Tax Liabilities, GILTI Deferred Tax Liabilities, GILTI Deferred Tax Liabilities, GILTI Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Provisions during the period Standard and Extended Product Warranty Accrual, Increase for Warranties Issued Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Financial Instrument [Axis] Financial Instrument [Axis] Less: current portion of long-term debt and related unamortized debt premium and issuance costs Long-Term Debt, Current Maturities Segment Reporting Segment Reporting Disclosure [Text Block] Stock-based compensation APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Measurement Basis [Axis] Measurement Basis [Axis] Title Trading Arrangement, Individual Title Defined Contribution Plan [Table] Defined Contribution Plan [Table] Schedule of Loss before Income Tax Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block] Balance at beginning of year Balance at end of year Unrecognized Tax Benefits City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Auditor Location Auditor Location Accruals and reserves not currently deductible Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Accrued Liabilities Investments Investments [Member] business combination, recognized identified other liabilities business combination, recognized identified other liabilities business combination, recognized identified other liabilities Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Purchases of short-term investments Payments to Acquire Short-Term Investments Repurchases of common stock Payments for Repurchase of Common Stock Deferred Tax Liabilities, Undistributed Foreign Earnings Deferred Tax Liabilities, Undistributed Foreign Earnings Long-term debt, net of current portion Long-Term Debt, Excluding Current Maturities Accounts Receivables Receivable [Policy Text Block] Schedule of Segment Reporting Information, by Segment Schedule of Segment Reporting Information, by Segment [Table] Weighted- Average Grant Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Subsequent Event Type [Axis] Subsequent Event Type [Axis] Earnings per share Earnings Per Share [Abstract] Equity [Abstract] Equity [Abstract] 2.125% Convertible Senior Notes Due 2026 [Member] 2.125% Convertible Senior Notes Due 2026 [Member] 2.125% Convertible Senior Notes Due 2026 [Member] Retained earnings Retained Earnings (Accumulated Deficit) Class of Stock [Domain] Class of Stock [Domain] Sales to major customers Revenue from Contract with Customer Benchmark [Member] Inventories Increase (Decrease) in Inventories Financial Instruments Not Recorded at Fair Value on a Recurring Basis Financial Instruments Not Recorded At Fair Value On A Recurring Basis [Table Text Block] This schedule represents the amounts as included on the statement of financial position for the financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined) for which related fair value disclosure is being provided. The amounts as included in the statement of financial position may also be referred to as the carrying amount or reported amount. Net carrying amount is not an indication of an asset's fair value, but in certain circumstances the carrying value and fair value may be identical, such as in the case of trade receivables and payables where carrying amount may approximate fair value. Likewise, this schedule applies to items which contain a sub-component that may be measured at fair value for financial statement reporting purposes or which is in its entirety carried at fair value. Schedule of Debt and Other Obligations Schedule of Debt [Table Text Block] Deferred income taxes Deferred Income Taxes and Tax Credits 2026 Long-Term Debt, Maturity, Year Two Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Present value of net minimum lease payments Operating Lease, Liability Underlying Securities Award Underlying Securities Amount Performance Shares PRSU Performance Shares [Member] 2.125% Senior Note due 2026 2.125% Senior Note due 2026 [Member] 2.125% Senior Note due 2026 Customer program liabilities Customer program liabilities Customer program liabilities Amendment Flag Amendment Flag Carrying Amount Reported Value Measurement [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Receivables Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Receivables Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Subsequent Events [Abstract] Other Expense, Net Other Income and Other Expense Disclosure [Text Block] Debt Disclosure Debt Disclosure [Text Block] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Aggregate principal amount Debt Instrument, Face Amount Proceeds from debt, net of issuance costs Proceeds from Short-Term Debt Beginning balance Ending balance Standard and Extended Product Warranty Accrual Entity Address, Postal Zip Code Entity Address, Postal Zip Code Long-term Purchase Commitment [Table] Long-Term Purchase Commitment [Table] Fiscal Year Fiscal Period, Policy [Policy Text Block] Cash and cash equivalents Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Financial Instrument [Table] Schedule of Investments [Table] Impairment of Intangible Assets, Indefinite-Lived (Excluding Goodwill) Impairment of Intangible Assets, Indefinite-Lived (Excluding Goodwill) Other Payments for (Proceeds from) Other Investing Activities Other Noncurrent Assets Other Noncurrent Assets [Member] Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Joint Venture Corporate Joint Venture [Member] Auditor Name Auditor Name Convertible, threshold trading days Debt Instrument, Convertible, Threshold Trading Days Forfeited (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Raw materials Inventory, Raw Materials, Gross Current: Current Income Tax Expense (Benefit), Continuing Operations [Abstract] Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Property, plant and equipment, useful life Property, Plant and Equipment, Useful Life Outstanding Number ofÂ Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] ESPP Employee Stock [Member] Fair Value Measurement [Domain] Fair Value Measurement [Domain] Equity Method Investment, Nonconsolidated Investee [Axis] Equity Method Investment, Nonconsolidated Investee [Axis] Accounts payable Increase (Decrease) in Accounts Payable Stock-based and non-deductible compensation Stock-based and non-deductible compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount Cash Acquired from Acquisition Cash Acquired from Acquisition Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Amortization of operating lease right-of-use assets Amortization Designated as Hedging Instrument Designated as Hedging Instrument [Member] Weighted-Average Remaining Contractual Life (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Outstanding, Weighted Average Remaining Contractual Terms Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Stock, Class of Stock [Table] Stock, Class of Stock [Table] Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Equipment Machinery and Equipment, Gross Shares used in per share calculation Denominator Weighted Average Number of Shares Outstanding, Diluted [Abstract] Total assets Assets Total cost of sales Cost of Goods and Services Sold Marketing and Advertising Expenses Advertising Cost [Policy Text Block] Auditor [Line Items] Purchases of property and equipment Payments to Acquire Property, Plant, and Equipment Other long-term liabilities Other Liabilities, Noncurrent Changes in Product Warranty Liability [Roll Forward] Movement in Standard Product Warranty Accrual [Roll Forward] Cost of sales Cost of Goods and Service, Excluding Depreciation, Depletion, and Amortization Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Commitments and Contingencies (see Notes 17 and 18) Commitments and Contingencies Cumulative Effect, Period of Adoption [Axis] Cumulative Effect, Period of Adoption [Axis] Stock-Based Compensation Share-Based Payment Arrangement [Policy Text Block] Foreign Government Debt Foreign Government Debt [Member] Schedule of Effective Income Tax Rate Reconciliation Schedule of Effective Income Tax Rate Reconciliation [Table Text Block] Termination Date Trading Arrangement Termination Date Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] 2022 Lessee, Operating Lease, Liability, to be Paid, Year Two 2028 Purchase Obligation, to be Paid, Year Four 2020 Long-Term Debt, Maturity, Year One Mutual Funds Exchange Traded Funds [Member] Not Designated as Hedging Instrument Not Designated as Hedging Instrument [Member] Deferred tax assets: Deferred Tax Assets, Gross [Abstract] Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, after Year One Through Five Debt Securities, Available-for-Sale, Fair Value, Maturity, Allocated and Single Maturity Date, after Year One Through Five GSX CHINA GSX CHINA [Member] Debt Instrument [Axis] Debt Instrument [Axis] Proceeds from Maturities, Prepayments and Calls of Short-Term Investments Proceeds from Maturities, Prepayments and Calls of Short-Term Investments Net income Net income Numerator Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Fair Value, by Balance Sheet Grouping [Table Text Block] Fair Value, by Balance Sheet Grouping [Table Text Block] Amortization of Debt Discount (Premium) Amortization of Debt Discount (Premium) Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Share-based compensation, common stock purchased (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Shares Purchased for Award Entity File Number Entity File Number 2030 and thereafter Purchase Obligation, to be Paid, after Year Five Xilinx, Inc. [Member] Xilinx, Inc. [Member] Xilinx, Inc. Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Debt Security Category [Axis] Debt Security Category [Axis] U.S. federal Current Federal Tax Expense (Benefit) Business Combination, Recognized Identifiable Asset Acquired and Liability Assumed, Lease Obligation Business Combination, Recognized Identifiable Asset Acquired and Liability Assumed, Lease Obligation Restructuring Plan [Domain] Restructuring Plan [Domain] Accrued and other liabilities Increase (Decrease) in Accrued Liabilities and Other Operating Liabilities Name Forgone Recovery, Individual Name Weighted-average remaining lease term in years â€“ operating leases Operating Lease, Weighted Average Remaining Lease Term Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] 2029 Purchase Obligation, to be Paid, Year Five Investments in Available-for-sale Debt Securities Investment, Policy [Policy Text Block] Other Other Noncash Income (Expense) Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Foreign Government Short-Term Debt Securities Foreign Government Short-Term Debt Securities [Member] Decreases for tax positions taken in prior years Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions Timing of Transfer of Good or Service [Domain] Timing of Transfer of Good or Service [Domain] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount Schedule of Common Shares Outstanding Schedule of Stock by Class [Table Text Block] PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Adjustment to Compensation: Adjustment to Compensation [Axis] Accounts Receivable Accounts Receivable [Member] Other than Temporary Impairment, Credit Losses Recognized in Earnings, Categories of Investments [Domain] Other than Temporary Impairment, Credit Losses Recognized in Earnings, Categories of Investments [Domain] Debt Securities, Available-for-Sale, Amortized Cost, Maturity, Allocated and Single Maturity Date, after Year One Through Five Debt Securities, Available-for-Sale, Amortized Cost, Maturity, Allocated and Single Maturity Date, after Year One Through Five Accumulated other comprehensive loss Accumulated Other Comprehensive Income (Loss), Net of Tax Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Related Party [Axis] Related and Nonrelated Parties [Axis] Basic (in shares) Denominator for basic earnings per share (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Top Customer Two Top Customer Two [Member] Top Customer Two [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Indefinite-Lived Intangible Assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Indefinite-Lived Intangible Assets Unrecognized Tax Benefits, Increase Resulting from Acquisition Unrecognized Tax Benefits, Increase Resulting from Acquisition Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment RevenueRemainingPerformanceObligation12months RevenueRemainingPerformanceObligation12months RevenueRemainingPerformanceObligation12months Name Awards Close in Time to MNPI Disclosures, Individual Name Entity Filer Category Entity Filer Category Revenue allocated to remaining performance obligations that are unsatisfied or partially unsatisfied Revenue, Remaining Performance Obligation, Amount Loss Contingencies [Line Items] Loss Contingencies [Line Items] Cash paid during the year for: Additional Cash Flow Elements and Supplemental Cash Flow Information [Abstract] Business Acquisition, Equity Interest Issued or Issuable, Value Assigned Business Acquisition, Equity Interest Issued or Issuable, Value Assigned Goodwill, Acquired During Period Goodwill, Acquired During Period Work in process Inventory, Work in Process, Gross Statistical Measurement [Domain] Statistical Measurement [Domain] Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax Schedule of Leases, Supplemental Cash Flows Lease, Cost [Table Text Block] Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Table Text Block] Right-of-use assets Deferred Tax Liability, Right-of-Use Asset Deferred Tax Liability, Right-of-Use Asset Foreign withholding taxes Foreign withholding taxes Foreign withholding taxes Other current liabilities Other Liabilities, Current Unrecognized tax benefits that would impact effective tax rate Unrecognized Tax Benefits that Would Impact Effective Tax Rate Segment Reporting Information Segment Reporting Information [Line Items] All Trading Arrangements All Trading Arrangements [Member] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Components of basic and diluted income (loss) per share Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Tax credit carryforward, amount Tax Credit Carryforward, Amount Issuance of common stock to settle convertible debt Stock Issued During Period, Value, Conversion of Convertible Securities, Net of Adjustments Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Enterprise, Embedded and Semi-Custom Enterprise, Embedded and Semi-Custom [Member] Enterprise, Embedded and Semi-Custom [Member] Income taxes, net of refund Income Taxes Paid, Net Issuance of common stock to partially settle convertible debt (in shares) Stock Issued During Period, Shares, Conversion of Convertible Securities Investment: equity method Equity method investment Equity Method Investments Pay vs Performance Disclosure [Line

Items] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Income Tax Contingency [Table] Income Tax Contingency [Table] Deferred: Deferred Income Tax Expense (Benefit), Continuing Operations [Abstract] Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost Restructuring and Related Activities [Abstract] Tax Credit Carryforward, Expiration Date Tax Credit Carryforward, Expiration Date Total stock-based compensation expense, net of income taxes Share-Based Payment Arrangement, Expense, after Tax Other Performance Measure, Amount Other Performance Measure, Amount Finite-Lived Intangible Asset, Expected Amortization, Year Three Finite-Lived Intangible Asset, Expected Amortization, Year Three Goodwill [Line Items] Goodwill [Line Items] Common stock, shares outstanding (shares) Common Stock, Shares, Outstanding Foreign taxes in profitable locations Foreign Income Tax Expense (Benefit), Continuing Operations Documents Incorporated by Reference Documents Incorporated by Reference [Text Block] Operating Lease, Cost Operating Lease, Cost Receivables - related parties Other Receivables, Net, Current Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost Shares available for grant (shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Long-term operating lease liabilities Total long-term operating lease liabilities Operating Lease, Liability, Noncurrent Cash Flow Hedging Cash Flow Hedging [Member] Nonrecurring Adjustment [Domain] Nonrecurring Adjustment [Domain] Entity Tax Identification Number Entity Tax Identification Number Increases for tax positions taken in prior years Unrecognized Tax Benefits, Increase Resulting from Prior Period Tax Positions Non-U.S. Deferred Foreign Income Tax Expense (Benefit) Government money Market Funds Money Market Funds [Member] Marketing, general, and administrative Selling, General and Administrative Expenses [Member] Debt Instrument, circumstance 2 Debt Instrument, Redemption, Period Two [Member] Treasury stock Treasury Stock, Common [Member] Plan Name [Axis] Plan Name [Axis] Equity Components [Axis] Equity Components [Axis] Customer A Customer A [Member] Customer A [Member] Other current assets Other Assets, Current Debt Securities, Available-for-Sale Debt Securities, Available-for-Sale Trade Names Trade Names [Member] Amortization of acquisition-related intangibles Amortization of acquisition-related intangibles Amortization of acquisition-related intangibles Business Acquisition, Pro Forma Net Income (Loss) Business Acquisition, Pro Forma Net Income (Loss) Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Investment [Domain] Investments [Domain] Consideration transferred Business Combination, Consideration Transferred, Equity Interests Issued and Issuable Number of joint ventures Number of Joint Ventures Number of Joint Ventures Non-cash investing and financing activities: Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract] Developed Technology Rights Developed Technology Rights [Member] Geographical [Axis] Geographical [Axis] Silo AI Silo AI [Member] Silo AI 2025 Lessee, Operating Lease, Liability, to be Paid, Year Five Datacenter Datacenter [Member] Datacenter Increase (decrease) in valuation allowance Increase in valuation allowance Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount Net (deductions) recoveries Deductions (Recoveries) [Member] Deductions (Recoveries) Restructuring and Related Cost, Accelerated Depreciation Restructuring Reserve, Accrual Adjustment Restructuring Reserve, Accrual Adjustment Repurchases of common stock Stock Repurchased During Period, Value Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Accrued Income Taxes, Noncurrent Accrued Income Taxes, Noncurrent PSU RF Range [Axis] PSU RF Range [Axis] PSU RF Range Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Operating lease, expense Operating Lease, Expense Payments for Restructuring Payments for Restructuring Payments for Restructuring fair value of common stock issued as acquisition consideration fair value of common stock issued as acquisition consideration [Member] fair value of common stock issued as acquisition consideration Cash, cash equivalents and restricted cash at beginning of year Cash, cash equivalents and restricted cash at end of year Total cash, cash equivalents, and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Other Comprehensive Income (Loss), Reclassification Adjustment from AOCI on Derivatives, Net of Tax Other Comprehensive Income (Loss), Reclassification Adjustment from AOCI on Derivatives, Net of Tax Income Statement Related Disclosures [Abstract] Income Statement Related Disclosures [Abstract] Share-based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Non-U.S. Current Foreign Tax Expense (Benefit) 4.393% Senior Notes 4.393% Senior Notes [Member] 4.393% Senior Notes Current assets: Assets, Current [Abstract] Consolidation Items [Axis] Consolidation Items [Axis] Indefinite-Lived Intangible Assets, Major Class Name [Domain] Indefinite-Lived Intangible Assets, Major Class Name [Domain] Equity Method Investment, Additional Information Equity Method Investment, Additional Information Treasury stock (shares) Treasury Stock, Common, Shares Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Product and Service [Domain] Product and Service [Domain] Vested (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Latest Tax Year Latest Tax Year [Member] Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block] Security Exchange Name Security Exchange Name Related Party Transaction [Domain] Related Party Transaction [Domain] Acquisitions, net of cash acquired, all others Acquisitions, net of cash acquired, all others Acquisitions, net of cash acquired, all others Resale to ATMP JV Resale to ATMP JV Resale to ATMP JV Exercised (USD per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Number ofÂ Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] U.S. state and local Current State and Local Tax Expense (Benefit) Current portion of long-term debt, net Short-Term Debt Gaming Gaming [Member] Gaming Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Research and development Research and Development Expense Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Common stock, shares issued (shares) Balance, beginning of period (in shares) Balance, end of period (in shares) Common Stock, Shares, Issued Other Assets Other Assets [Member] Secured revolving line of credit, maximum borrowing capacity Line of Credit Facility, Maximum Borrowing Capacity Concentration risk percentage Concentration Risk, Percentage Offering period Share-based Compensation Arrangement by Share-based Payment Award, Offering Period Share-based Compensation Arrangement by Share-based Payment Award, Offering Period Deferred Tax Assets, Tax Credit Carryforwards, Foreign Deferred Tax Assets, Tax Credit Carryforwards, Foreign Licensing Revenue Licensing Revenue [Member] Licensing Revenue [Member] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Accumulated depreciation Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Valuation Allowance by Deferred Tax Asset [Axis] Valuation Allowance by Deferred Tax Asset [Axis] Japan Europe [Member] Common stock, shares authorized (shares) Common Stock, Shares Authorized Payments to Acquire Businesses, Net of Cash Acquired Payments to Acquire Businesses, Net of Cash Acquired Fair Value Adjustment to Inventory Fair Value Adjustment to Inventory [Member] Debt and Revolving Credit Facility Debt and Capital Leases Disclosures [Text Block] Severance Costs Restructuring Costs Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets Entity Voluntary Filers Entity Voluntary Filers Related Party Related Party [Member] Hedging Designation [Domain] Hedging Designation [Domain] Statement of Financial Position Location, Balance [Axis] Statement of Financial Position Location, Balance [Axis] Total Deferred Income Tax Expense (Benefit) Proceeds from Sale of Short-Term Investments Proceeds from Sale of Short-Term Investments Other comprehensive income (loss) Total other comprehensive income (loss) Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Parent Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Fair Value, Recurring Fair Value, Recurring [Member] Accounts receivable, net Accounts Receivable, after Allowance for Credit Loss, Current Conversion price (USD per share) Debt Instrument, Convertible, Conversion Price Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Transfer of assets for the acquisition of property and equipment Noncash or Part Noncash Acquisition, Fixed Assets Acquired Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] 2030 and thereafter Long-Term Debt, Maturity, after Year Five Employer matching contribution, percent of match Defined Contribution Plan, Employer Matching Contribution, Percent of Match Fair Value, by Balance Sheet Grouping [Table] Investment Holdings [Table] Restricted cash included in Prepaid expense and other current assets Restricted Cash, Current Commercial Paper Commercial Paper [Member] Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Document Annual Report Document Annual Report Quarterhill Inc. Litigation Quarterhill Inc. Litigation [Member] Quarterhill Inc. Litigation [Member] Vested (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Risk-free interest rate Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Risk Free Interest Rate Indefinite-Lived Intangible Assets (Excluding Goodwill) Indefinite-Lived Intangible Assets (Excluding Goodwill) Amortization of Intangible Assets Amortization of Intangible Assets Product warranty period Product Warranty Period Period of coverage for warranty obligation pursuant to guarantees made as to products being free from defects in material and workmanship under normal use and conform to the Company's approved specifications. Site contingency, number of sites Site Contingency, Number of Sites Site Contingency, Number of Sites Accounting Policies [Abstract] Accounting Policies [Abstract] Contingencies Commitments and Contingencies, Policy [Policy Text Block] Fair Value Measurement, Policy Fair Value Measurement, Policy [Policy Text Block] Carrying amount of the equity component, net Debt Instrument, Convertible, Carrying Amount of Equity Component Business Combination Disclosure Business Combination Disclosure [Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Less: interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Fair Value Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Fair Value Short-term investments Short-Term Investments PEO Name PEO Name Award Type [Domain] Award Type [Domain] Prior Period Reclassification Adjustment Prior Period Reclassification Adjustment Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents Common stock issued under employee equity incentive plans, net of tax withholding (in shares) Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Transferred over Time [Member] Transferred over Time [Member] Deferred tax assets, net Deferred Income Tax Assets, Net Non-PEO NEO Non-PEO NEO [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets Investments, Fair Value Disclosure Investments, Fair Value Disclosure Net unrealized gains (losses) arising during the period OCI, before Reclassifications, Net of Tax, Attributable to Parent Additional paid-in capital Additional Paid-in Capital [Member] Hedging Relationship [Axis] Hedging Relationship [Axis] Retirement Benefit Plans Retirement Benefits [Text Block] Class of Stock [Line Items] Class of Stock [Line Items] Concentrations of Credit and Operation Risk Concentration Risk Disclosure [Text Block] Contingencies Contingencies Disclosure [Text Block] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Liabilities Effective Income Tax Rate Reconciliation, Other Adjustments, Amount Effective Income Tax Rate Reconciliation, Other Adjustments, Amount Unbilled accounts receivables Unbilled Receivables, Current Recently Adopted and Issued Accounting Standards New Accounting Pronouncements, Policy [Policy Text Block] Class of Stock [Axis] Class of Stock [Axis] License and Service License and Service [Member] Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets, Accumulated Amortization Finite-Lived Intangible Assets, Accumulated Amortization Amortization of operating lease right-of-use assets Operating Lease, Right-of-Use Asset, Periodic Reduction Name Measure Name Entity Interactive Data Current Entity Interactive Data Current CANADA CANADA Share Repurchase Program, Remaining Authorized, Number of Shares Share Repurchase Program, Remaining Authorized, Number of Shares New Accounting Pronouncements or Change in Accounting Principle [Line Items] New Accounting Pronouncements or Change in Accounting Principle [Line Items] Employee Severance Employee Severance [Member] CHINA CHINA CHINA Available for Sale Securities Maturing in Five Years and Later available for sale securities maturing in five years and later [Member] available for sale securities maturing in five years and later Schedule of Revenue by Major Customers by Reporting Segments Schedule of Revenue by Major Customers by Reporting Segments [Table Text Block] Stock-based compensation Share-Based Payment Arrangement, Noncash Expense Total deferred tax assets, net of valuation allowance Deferred Tax Assets, Net of Valuation Allowance 2027 Purchase Obligation, to be Paid, Year Three Business acquisition, conversion ratio Business Combination, Consideration transferred, Equity Interests Issued and Issuable, Entity Shares Issued Per Acquiree Share Business Combination, Consideration transferred, Equity Interests Issued and Issuable, Entity Shares Issued Per Acquiree Share Customer payment due, standard contractual term Customer Payment Due, Standard Contractual Term Customer Payment Due, Standard Contractual Term Interest rate, stated percentage Debt Instrument, Interest Rate, Stated Percentage Termination Fee Merger Agreement Termination Fee Merger Agreement Termination Fee Merger Agreement Individual Counterparty [Member] Schedule of Investments [Line Items] Schedule of Investments [Line Items] Issuance of common stock warrants Adjustments to Additional Paid in Capital, Warrant Issued Supplemental cash flow information: Supplemental Cash Flow Information [Abstract] Decreases for settlements with taxing authorities and statute of limitation lapses Unrecognized Tax Benefits, Decrease Resulting from Settlements with Taxing Authorities Deferred Tax Asset, In-Process Research and Development Deferred Tax Asset, In-Process Research and Development Gains (losses) on equity investments, net Increase (Decrease) in Equity Securities, FV-NI Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Aggregate Intrinsic Value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest [Abstract] Auditor Firm ID Auditor Firm ID Effective Income Tax Rate Reconciliation, Percent Effective Income Tax Rate Reconciliation, Percent Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Assets Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed, Deferred Tax Assets Operating income Operating Income (Loss) Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Amount Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Amount Number of reportable segments Number of Reportable Segments Total liabilities and stockholdersâ€™ equity Liabilities and Equity Subsequent Events Subsequent Events [Text Block] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] Lease liability Deferred Tax Asset, Lease Liability Deferred Tax Asset, Lease Liability Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Enterprise Embedded And Semi-Customs Enterprise Embedded And Semi-Customs [Member] Enterprise Embedded And Semi-Customs [Member] Hedging Designation [Axis] Hedging Designation [Axis] Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Schedule of Share-based Compensation, Restricted Stock Units, Activity Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block] Schedule of Future Payments on Debt Schedule of Maturities of Long-Term Debt [Table Text Block] Earliest Tax Year Earliest Tax Year [Member] Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Underlying Security Market Price Change Underlying Security Market Price Change, Percent Individual: Individual [Axis] Accumulated other comprehensive loss AOCI Attributable to Parent [Member] Canceled (USD per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Debt Securities, Available-for-Sale and Held-to-Maturity, Fair Value Debt Securities, Available-for-Sale and Held-to-Maturity, Fair Value Expected life (in years) Expected term (in years) Expected term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Term Balance Sheet Related Disclosures [Abstract] Balance Sheet Related Disclosures [Abstract] Inventories Inventories Inventory, Net Product and Service [Axis] Product and Service [Axis] Statement [Line Items] Statement [Line Items] Transaction value Business Combination, Transaction Value Business Combination, Transaction Value Accounts Payable, Other Accounts Payable, Other state and foreign taxes state and foreign taxes state and foreign taxes Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Property and Equipment, net Property, Plant and Equipment [Table Text Block] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Consideration transferred Business Combination, Consideration Transferred Derivative, term of contract Derivative, Term of Contract Unamortized debt discount and issuance costs Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Minimum Minimum [Member] Notes Payable, Fair Value Disclosure Notes Payable, Fair Value Disclosure Adoption Date Trading Arrangement Adoption Date Other Receivables Other Receivables Business Segments Segments [Axis] Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Tax Period [Axis] Tax Period [Axis] Business Acquisition, Pro Forma Revenue Business Acquisition, Pro Forma Revenue Federal statutory income tax rate Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent Derivative Instrument [Axis] Derivative Instrument [Axis] Total debt Total Total Long-Term Debt, Gross Exercise Price Award Exercise Price Schedule of Deferred Tax Assets and Liabilities Schedule of Deferred Tax Assets and Liabilities [Table Text Block] Asset Acquisition [Table] Asset Acquisition [Table] Arrangement Duration Trading Arrangement Duration Operating loss carryforwards, amount Operating Loss Carryforwards Goodwill Goodwill and Intangible Assets Disclosure [Text Block] Stockholdersâ€™ equity: Equity, Attributable to Parent [Abstract] PSU Volatility - Minimum [Axis] PSU Volatility - Minimum [Axis] PSU Volatility - Minimum Federal Domestic Tax Jurisdiction [Member] Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Finite-Lived Intangible Asset, Expected Amortization, Year Four Finite-Lived Intangible Asset, Expected Amortization, Year Four All Individuals All Individuals [Member] Number of states Loss Contingency, Damages Sought, Number of States Loss Contingency, Damages Sought, Number of States Business Combination, Price of Acquisition, Expected Business Combination, Price of Acquisition, Expected Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Other income (expense), net Other income (expense), net Other Nonoperating Income (Expense) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Acquisition-related intangibles Intangible Assets, Net (Excluding Goodwill) Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax Proceeds from sales of common stock through employee equity plans Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised Total unrecognized compensation expense Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount Charged (reductions) to expense/other accounts Expense and Other Accounts [Member] Expense and Other Accounts Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Debt Investment debt investment [Member] debt investment Stock Issued Stock Issued Schedule of Share-based Compensation, Allocation of Recognized Period Costs [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Related Party [Domain] Related and Nonrelated Parties [Domain] Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] Long-term Purchase Commitment [Line Items] Long-Term Purchase Commitment [Line Items] Business Combination, Shares Issuable Contingent Business Combination, Shares Issuable Contingent Business Combination, Shares Issuable Contingent Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Tax Attribute Carryforwards [Line Items] Tax Credit Carryforward [Line Items] Deferred tax liabilities Deferred Income Tax Liabilities, Net Stock Repurchased During Period, Shares Stock Repurchased During Period, Shares Time Based Restricted Stock Units Time Based Restricted Stock Units [Member] Time Based Restricted Stock Units [Member] Cumulative Effect, Period of Adoption [Domain] Cumulative Effect, Period of Adoption [Domain] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles U.S. federal Deferred Federal Income Tax Expense (Benefit) Accrued Liabilities Schedule of Accrued Liabilities [Table Text Block] Finite-Lived Intangible Asset, Expected Amortization, after Year Five Finite-Lived Intangible Asset, Expected Amortization, after Year Five Measure: Measure [Axis] Derivative Instruments in Hedges, Liabilities, at Fair Value Derivative Instruments in Hedges, Liabilities, at Fair Value Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Increases for tax positions taken in the current year Unrecognized Tax Benefits, Increase Resulting from Current Period Tax Positions Top Customer One Top Customer One [Member] Top Customer One [Member] Asset Class [Domain] Asset Class [Domain] Debt instrument, convertible, stock price trigger (USD per share) Debt instrument, stock price (USD per share) Share Price 2.375% Senior Notes Due 2030 2.375% Senior Notes Due 2030 [Member] 2.375% Senior Notes Due 2030 Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Net of Forfeitures Entity Emerging Growth Company Entity Emerging Growth Company Indefinite-Lived Intangible Assets [Axis] Indefinite-Lived Intangible Assets [Axis] All Other All Other [Member] All Other 2024 Long-Term Debt, Maturity, Year Five principle balance due principle balance due [Member] principle balance due Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Acquisition-related Costs Acquisition-related Costs [Member] Other income (expense) Other Miscellaneous (Expense) Income, Net Other Miscellaneous (Expense) Income, Net Sovereign Debt Securities Sovereign Debt Securities [Member] Equity Component [Domain] Equity Component [Domain] Accounting Standards Update [Extensible List] Accounting Standards Update [Extensible Enumeration] Reconciliation of cash, cash equivalents, and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents [Abstract] China (including Hong Kong) JAPAN Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Entity Shell Company Entity Shell Company Valuation Allowance [Line Items] Valuation Allowance [Line Items] Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Summary of Investment Holdings [Line Items] Summary of Investment Holdings [Line Items] Statement [Table] Statement [Table] IRELAND IRELAND Counterparty Name [Axis] Counterparty Name [Axis] Measurement Frequency [Domain] Measurement Frequency [Domain] Summary of Significant Accounting Policies Significant Accounting Policies [Text Block] Operating Lease Right-of-Use Asset Acquired Operating Lease Right-of-Use Asset Acquired [Member] Operating Lease Right-of-Use Asset Acquired Consolidation Items [Domain] Consolidation Items [Domain] INDIA INDIA Interest Interest Paid, Excluding Capitalized Interest, Operating Activities Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Level 1 Fair Value, Inputs, Level 1 [Member] Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] Non-cash activities for leases: Noncash Investing and Financing Items [Abstract] Tax Period [Domain] Tax Period [Domain] Exercisable, end of period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Tax effect from intercompany integration transaction Tax effect from intercompany integration transaction Tax effect from intercompany integration transaction 2022 Long-Term Debt, Maturity, Year Three Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Entity Address, Region Entity Address, Region Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill Stock options, shares granted, weighted average estimated grant date fair value per share (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Equity Securities without Readily Determinable Fair Value, Amount Equity Securities without Readily Determinable Fair Value, Amount Entity Well-known Seasoned Issuer Entity Well-known Seasoned Issuer Other Intangible Assets Other Intangible Assets [Member] Bank Time Deposits [Member] Bank Time Deposits [Member] Income Taxes Income Tax Disclosure [Text Block] 2024 Lessee, Operating Lease, Liability, to be Paid, Year Four Numerator Net Income (Loss) Attributable to Parent [Abstract] Limited warranty period range Limited Warranty Period Limited Warranty Period 2.950% Senior Notes Due 2024 2.950% Senior Notes Due 2024 [Member] 2.950% Senior Notes Due 2024 Other Noncurrent Liabilities Other Noncurrent Liabilities [Member] Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Weighted-average discount rate â€“ operating leases Operating Lease, Weighted Average Discount Rate, Percent Net cash used in financing activities Net Cash Provided by (Used in) Financing Activities Amortization of Inventory FV adjustment Amortization of Inventory Fair Value Adjustment Amortization of Inventory Fair Value Adjustment Credit Facility [Axis] Credit Facility [Axis] Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Long-term debt, net Long-Term Debt, Fair Value Entity Registrant Name Entity Registrant Name Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Timing of Transfer of Good or Service [Axis] Timing of Transfer of Good or Service [Axis] Gross profit Gross Profit U.S. state and local Deferred State and Local Income Tax Expense (Benefit) Schedule of Product Warranty Liability Schedule of Product Warranty Liability [Table Text Block] Fair Value as of Grant Date Award Grant Date Fair Value Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Amount Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Amount Customer Concentration Risk Customer Concentration Risk [Member] Balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value Level 2 Level 2 Fair Value, Inputs, Level 2 [Member] Finite-Lived Intangible Assets, Remaining Amortization Period Finite-Lived Intangible Assets, Remaining Amortization Period Segment, Geographical [Domain] Geographical [Domain] Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Principles of Consolidation Consolidation, Policy [Policy Text Block] Restructuring Cost [Table] Restructuring Cost [Table] Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Concentration Risk Type [Axis] Concentration Risk Type [Axis] Common Stock, Value, Issued Common Stock, Value, Issued Document Financial Statement Error Correction [Flag] Document Financial Statement Error Correction [Flag] Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Income Tax Authority, Name [Domain] Income Tax Authority, Name [Domain] Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost Stock Issued During Period, Shares, Acquisitions Stock Issued During Period, Shares, Acquisitions Lisa Su [Member] Lisa Su Exercisable December 28, 2024 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Exercisable, Aggregate Intrinsic Value Other Deferred Tax Assets, Other Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities [Abstract] Concentration Risk [Line Items] Concentration Risk [Line Items] Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Finished goods Inventory, Finished Goods, Gross Cash and Cash Equivalents [Domain] Cash and Cash Equivalents [Domain] Total deferred tax liabilities Deferred Tax Liabilities, Gross Line of Credit Facility, Fair Value of Amount Outstanding Line of Credit Facility, Fair Value of Amount Outstanding Basic (in usd per share) Earnings Per Share, Basic Operating lease, payments Operating Lease, Payments Cash and Cash Equivalents Cash and Cash Equivalents [Member] Operating Loss Carryforwards, Expiration Date Operating Loss Carryforwards, Expiration Date Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Income tax refunds from foreign jurisdiction related to legal settlement Income Tax Refunds from foreign Jurisdiction related to legal settlement The amount of cash received during the period as refunds from a foreign jurisdiction related to a legal settlement. Expiration period Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities Trademarks Trademarks [Member] Tax Attribute Carryforwards [Table] Tax Credit Carryforward [Table] Purchases of property and equipment, accrued but not paid Capital Expenditures Incurred but Not yet Paid Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Goodwill [Table] Goodwill [Table] Property and Equipment Property, Plant and Equipment, Policy [Policy Text Block] Loss Contingency [Abstract] Loss Contingency [Abstract] Acquired intangibles Deferred Tax Liabilities, Intangible Assets Total current liabilities Liabilities, Current Unrecognized compensation expense Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount Expected volatility Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Weighted Average Volatility Rate Finite-Lived Intangible Asset, Expected Amortization, Year One Finite-Lived Intangible Asset, Expected Amortization, Year One Equity Method Investment, Nonconsolidated Investee [Domain] Equity Method Investment, Nonconsolidated Investee [Domain] Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Schedule of Acquired Finite-Lived Intangible Assets by Major Class Schedule of Acquired Finite-Lived Intangible Assets by Major Class [Table Text Block] Cash, Cash Equivalents and Marketable Securities Fair Value, Assets Measured on Recurring Basis [Table Text Block] Business Combinations Policy Business Combinations Policy [Policy Text Block] Related Parties - Equity Joint Ventures Equity Method Investments and Joint Ventures Disclosure [Text Block] Fair Value MeasurementsRecurring Def Comp Fair Value MeasurementsRecurring Def Comp [Member] Fair Value MeasurementsRecurring Def Comp 2.375% Senior Note due 2030 2.375% Senior Note due 2030 [Member] 2.375% Senior Note due 2030 Revenues Revenues SINGAPORE SINGAPORE Threshold percentage of stock price trigger Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger Entity Address, City or Town Entity Address, City or Town Leases Lessee, Leases [Policy Text Block] Conversion period after threshold period days Debt Instrument, Convertible, Conversion Period After Threshold Period Days Debt Instrument, Convertible, Conversion Period After Threshold Period of specified consecutive trading days within which common stock price to conversion price of convertible debt instruments must exceed threshold percentage for a specified number of trading days to trigger conversion feature. Schedule of Share-based Compensation, Stock Options, Activity Share-Based Payment Arrangement, Option, Activity [Table Text Block] Stock options, shares exercised, total intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period, Intrinsic Value Total stock-based compensation expense before income taxes Total stock-based compensation expense before income taxes Share-Based Payment Arrangement, Expense Investments, Debt and Equity Securities [Abstract] Investments, Debt and Equity Securities [Abstract] Granted (USD per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Accumulated Other Comprehensive Income (Loss) Comprehensive Income (Loss) Note [Text Block] Loss Contingencies [Table] Loss Contingencies [Table] Forfeited (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Customer C Customer C [Member] Customer C Business Acquisition [Axis] Business Acquisition [Axis] Aggregate cash proceeds Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Excluding Option Exercised Line of Credit Facility, Maximum Month-end Outstanding Amount Line of Credit Facility, Maximum Month-end Outstanding Amount Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Canada Tax Authority Foreign Tax Jurisdiction [Member] 3.924% Senior Note due 2032 3.924% Senior Note due 2032 [Member] 3.924% Senior Note due 2032 Cash and Cash Equivalents [Axis] Cash and Cash Equivalents [Axis] Net change in unrealized gains (losses) on cash flow hedges Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification and Tax Document Fiscal Year Focus Document Fiscal Year Focus Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits, Employee Benefits Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits, Employee Benefits Receivables from and payable to related parties, net Increase (Decrease) in Due to Related Parties Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Other accrued and current liabilities Other Accrued Liabilities, Current Assets, Fair Value Disclosure Assets, Fair Value Disclosure Non-U.S. Income (Loss) from Continuing Operations before Income Taxes, Foreign Finite-Lived Intangible Asset, Expected Amortization, Year Five Finite-Lived Intangible Asset, Expected Amortization, Year Five Document Period End Date Document Period End Date Accrued marketing programs Accrued Marketing and Advertising, Current Accrued marketing and advertising, current. Mark Papermaster [Member] Mark Papermaster Total minimum lease payments Lessee, Operating Lease, Liability, to be Paid Beginning of period (in shares) End of period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Issuance of treasury stock to partially settle debt Issuance of treasury stock to partially settle debt Issuance of treasury stock to partially settle debt Asset Class [Axis] Asset Class [Axis] Insider Trading Arrangements [Line Items] Deferred Tax Assets (Liabilities), Noncurrent, Net Deferred Tax Assets (Liabilities), Noncurrent, Net Deferred Tax Assets (Liabilities), Noncurrent, Net Supplemental Balance Sheet Information Supplemental Balance Sheet Disclosures [Text Block] State and Foreign State and Foreign [Member] State and Foreign Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment [Member] 2023 Lessee, Operating Lease, Liability, to be Paid, Year Three Deferred Tax Asset, Valuation Allowance [Table] Deferred Tax Asset, Valuation Allowance [Table] Purchases from related party Related Party Transaction, Purchases from Related Party Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable Prepaid expenses and other current assets Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Impairment, Intangible Asset, Indefinite-Lived (Excluding Goodwill), Statement of Income or Comprehensive Income [Extensible Enumeration] Impairment, Intangible Asset, Indefinite-Lived (Excluding Goodwill), Statement of Income or Comprehensive Income [Extensible Enumeration] Foreign Currency Forward Contracts Foreign Exchange Contract [Member] Reclassification Reclassification, Comparability Adjustment [Policy Text Block] Document Transition Report Document Transition Report Total unconditional purchase commitments Purchase Obligation Schedule of Unrecognized Tax Benefits Roll Forward Schedule of Unrecognized Tax Benefits Roll Forward [Table Text Block] Payments to Acquire Other Investments Payments to Acquire Other Investments Fair Value, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Customer [Domain] Customer [Domain] Entity Current Reporting Status Entity Current Reporting Status Retained earnings (accumulated deficit) Retained Earnings [Member] Amortization of Debt Issuance Costs Amortization of Debt Issuance Costs Income Tax Authority, Name [Axis] Income Tax Authority, Name [Axis] Increase (Decrease) in Stockholders' Equity [Roll Forward] Changes in Accumulated Other Comprehensive Income (Loss) [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Other Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Other Client Client [Member] Client Provision (Benefit) for Income Taxes Schedule of Components of Income Tax Expense (Benefit) [Table Text Block] Licensing gain Operating income related to licensed IP Gain (Loss) On Licensing Agreement Gain (Loss) On Licensing Agreement Restructuring Reserve Restructuring Reserve Net losses (gains) reclassified into income during the period Reclassification from AOCI, Current Period, Net of Tax, Attributable to Parent Share-based Compensation, Allocation of Recognized Period Costs, Report Line [Domain] Statement of Income Location, Balance [Domain] Origination of Notes Receivable from Related Parties Origination of Notes Receivable from Related Parties Letter of Credit Letter of Credit [Member] Company Selected Measure Name Company Selected Measure Name EX-101.PRE 15 amd-20241228_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 16 amd-20241228_g1.jpg begin 644 amd-20241228_g1.jpg

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L/XY5=E^/(O.1MO<,:X/ER0D/+'#!!@=%5J%E(]Q^*'T&'5,D(9W5'XY7,E[E.8Y0^,0J,,SO3TN?Z6.6Y1SM^.P5TB6CBA>K14(%>&/&AY#:U81Y[/LRU"HD5/34D'Q5,'&#L%?/HB?!8O]?-6#=$FXFX!2H]9DWRTQG&G,NB#]\+$@_R;+!0T/MLE/)9.H4%<$4-0#@50+,)Q-#9%OU*:H^>!P@X7G6E31&L^%YBO_NW.@HFN>=QQ>7SV12<2SWL+'$@Q#&$;:]?J)E^NC"SX"&R&H\^P'B>^[\DN\&V-H[<)AP;N*4+?"#2^L%EU=1*NVV=JK1H^3UN:+4M"(?5U%Z:BR<.NEO@6%AI4]7[SRI9U71M7^O_R)-69=^3[_9E7WFFNQ\J@[E6]%;9O*%#G,,]\]J5&SGG=\J"(\AO3^-G%=K2]$@H"-3Z@*5'#_M]'+=9)IN?MF2TE^]EGKNN)3 .4ZX&FZXSN1/9M3^J(?MVA9^R7=+U&;9#&>6UI+4B8[Y/4[S)$HQ_ZDG)VVKM#]@[_E?\%L@[EA\O8$OQ[1G3(E7;GP;D<8T/[]#-W)EZNSBZQF+3-@@ZPM%CC_A%)=1(Z\:9<3B5IH\9SZC8JA_]NJ#RH$\]_(\$AM>\"5_C3L[FP*)-1G6^%NA<*4#5PI)>?W,X*\'J#[EY!,*&C#8)\EVM%L\#8/!LN9QO^<&C"6/&9#\:Q;C@#:FIR>J"N7Z*C?$9N%@D)HJ>J 6_YJMBRV/Z7;\@^B2!@U:,J"1<:"O4&'E14BCB4OFHI7!?;@L*1)V4K9ZN?^@AO*%L(\K.R8VG:4YYRG9(2%O75@+WT)QU#.PQIB.VU*4/*;/PW.N2Y#;!L\F,/B7_ICV"IVY%W2<8_M#\KQG[(Q;3>!/#(7P;5A8SYLO'*]IH]*(NEJVQ"/?.$):%TU2C[8I^T[PPW-/;BQ;V]L%%5ZV$Q.L/VP$K.I(JU3^C>H)U7)Z9AD6@3)C<1F:LYA0=L/%+T/[$>^LDM!G0Y)3L;5C^?MI4SS@;RC@1MB@_%D^E6N$Z]UGN$\SQ?]^JZU!7T$@VSRYD(CD(5_*1*:F18T*9YB3MQ-[=PC+*R;SN*BL#>3:ZVMBG;RI7IY4G+N3+#G9E:_97\$#U46SGM6&!+@7MWL/SD:R#&=I80!3WN&9N\V/V,_OQ@EG8.3@A@U]NQNZQ2JZG,B4A79>W[@JXQB>Y2[O@6S('<1^O;9>T&44G9D45J/6*RLW5[%KR#H-LIJ(>@^(T?08'#Y;XJ\;5$F5CK/E9N2GEL\>*BZY=UHN+5P4V,EGY\BNJ='D[N8!?!,(;8P[N8:0J"!N0K+*3-0$M1PN.$1>8?7Y3W13QO&8A*X^"V"!>R=UM>TQ@FGJ='^&F-]8YFE4QE.H/&@V_QT_B9%/BIJ/RX,E<&-N5K#$$O*X<^1@&4\KD+1K\Q/T_+K-YDO@T1I4W/C3V^'BG#=%?5>(1V>=42\W&D8>VGO%2@XI/M&V_I3)9/6Y>]FQ@V_H;6T@+/"#BJJ!'JN@LI;K\&<$)2.NZU'J\V\B^1ZU4-,C)_5^V9G8A\>>AJ=E?:Q<'A-6=C&IC^V'*'#@6-O(IX[</>:HQ8(6?C+<]!E$/<'+^#6.M:%=4R2EXJO5JXMPG8A_GU:J3T,;>+/!FC4J2?"Y5\&-+D\8@0#?%WNO1^=8'&:J#0M_KE;<8HIF\*-J@3)'ZB\N#'QQPEDOC+.E#(+&YPM;ZD3VE7(&VGTYZN2Y6CSX&KGM$^6'HVM5&]U*KZQ1"OD)A3>+R$%HQGXUI*+2=O[ZM$G\!*1DG8])<[K//9E=I@N?UWDE%;WVXD;9%A#:1?/ZRCQGU4*;"]Q0?KK66U1^C@8S]O&1U^S38.3X\[6PYKBJR^UDM9M&KR0=4R1>UU^U)?WSCXGZ5J+ZR<;VM64BPH\(IKIK+0I+XRK0F&?)[M_BI@Z*:*1&KN6^J$:)_(5.<=%X=GFYJ"0,'<+,K5.IE/L2<2.<%=N$^7K0D+2=^/P5T,6TJ2R7??<5^1ZD'Q1HMRE0MN3F=2;C!!Y\1"'(?$RJ@E7PMXM*(?0G,?CW(1^3K)_=R5GW>&&8/__Y</SQX@\$I3]P:+K]H0AJP\ TJJYTO9D^&PJMH2[,MT]6?V\X$(&\^Y7)4\AO6)X6RG/3;R[:[*4/B>C-%K*X^M57H!0!N>"8]<8O,(^N2W7CSWM$])QRTJMM0@=\E3OZ?SBJ*I-I9E*0IA(SSEE&DU1VPAWR?^4*"<%UXZ%JH7&\[=$/"3.K\$3N@Q%2I.%(<,-A]U_PXS(_5#M2K<^8\YDS2SX^Y]8[..E;W6Y6\3[U\PBS%FR]5Y\96DUOBXXRY_RWJ)JZVRU_7R%[W/0W>(/'.;GS0\5=[&6O8%BVAZHC:.YBFVHI1A4>Z]@>YFCRL&LP_L]>\,$;==\5N]C6;Y$\.96-OUFB(<4F75-=T+Q;.]QO6A\&[U=R!7&CT]<4S.,H'\IUM+F.V8F2*P_%F3Q\-*RQ.=1/Z,\Y#+G[9+G(,U]\4JQ2@>!AZSAR@/-5(U3;/3QY@$RG3_P66D,$MY<^/_&C"]MSM<,&QP4RV]_+'OA:GZRG5F3D0.(1-T5MKS^Z*'#[@=G,T3WT>8N$\7+.NQ;/(',]**)+Q8VI=5?U6M.Q?"3$<3'^MG2W6O(M@E/VUBG;Y/!D40^Y+[D>,E5P7(?SHV'2ZMR*#S)Z#:9@N8''V$OSTRB7=VR6N'[\S#@26O>-_^J-%GE\JFI1U#C*->;!KXY(-/C;4'97R?S;X!5+-8*0:1-RQXCXTZJB.@4KUW!.^%DY;KN2Q9.>+?@@R\X)_B<5Z,V_:<3,I8+Y2^A-Q?IWV0?/#\T_S/)=?'H^#YM\H[U_EGIH\;-AQV:=&1XP>?$ZN1<@/_V(>L#IYC_^(4;EVC)B2+L?6WJCJ27A[5O?X4W<8KC@MMUQG-0K[@\8ZBL</RNGTV<&YKEW,[JA2"GF^1B[@<[G;BD>T.!#/EEP+W%CN@DR18!NZ[S;\2=,VSEVU?$X+!:;0;4^%N'!6?CLF_MI:2OTA%/;*1/@GZM<"\9!U+[&@NG0F*<(YBW_OLO2IGE2%$6I6EGRWJ(%0]N<^M8Q/+CD\Z8ZS>1I%RTUPHSFZFB(G=$L?I]=N;L/[JDHHXB/&N!5.W9X5>D(V[O^:)QU[0UNBBJRZ+>M^D7>6JKVX8M@(0^"G@S!_&T*7OVS<_3BRH4;5\O@A[+?J]$*1"_)P9<^%#!_Z=IUW!6H*8:O24W'>?*/WHAG+?E4H6*?-5S[^!OF8*VVO4Y21F&;X])+@_D:%BT=1SOH73TG:%JG9=&ZL2P^'S;)N+ZI=[!&1\Z%DQHGHP6G+?_UB94^7I"@FM>PL+.:KH[ID;IE9N%Z:G^FO6;I/Y/X&NVJW3;Y!<#5"MA7^?2.5Z>ER#]*UH;W^IW\9Y_^ZN#4H?UDW1;8RYQVRZG4:,3U+"@EAX]4PA<=%H5K5$S'D4?<[D''G>]=A.*0;DK9'2XC!<_6J"F]:$*6YD2=U/'84_[L;YSCRF(O29(EKVHBR1$HR6<\P]MC'PI)V;D'Q%:]P?B/-06'HV.+D+H?/L]"&*8]FP[X)KA2U%2<$YC(BO/]T,MRH)!1OH!T7:OV0=$Q^^\;H.AQA^$YT*P<$C_W=M>4@.O/;M7RT0_.?]T0<3H!6U;:_-*5[XC+(-/2VD!PIH5_^*'YN^<*H\=$[2%H0AT6,\UB"Z%1"W;G7/3XKRMG]1H-7DP-1?!07(3XQ'H?-ROJKDZ>!.N?\8QP8(ZY9#*W?<\2)]FB79O#/:&V;[[L;UEP#)JQD:PS0=N'SXP:JO/!LUA'!_[UT3[8VE[^=WB84A8^\8SJLG9+@6V+_DZ4)V4_S\J3T[UV9RM:NFA2,W\N/V*R%AOTO<'.NDH*SL<"2@(@DH'Q<=6R59\0-^!*,=O\^9C^&KQ!C*.96!/.W]NKG<@YB$,#OG,K0@$BS+H5V*8F24ZC!^(+UZ==$!-5?:3<@EQLT8+I=08Q*/"5=27:J*A8X^@U]I[S-"*3,8V!BU9>+BYP23R=VGK=O%\P0N9J[+5B$TUQ>MEZO1[O$-SBJ=>Z<#UY>OOH:]?UOF3*_@@0+?-7\LN8\]K5HLK4P=<(0(L[3HVSIX]D%>K(:BTK_-CW-@^2W1Z"=:1CR7L3BU6<!ZG.<(T.,&IEF%68Z3$2X3T7EOC#_#:U9W6RKGU$/9"DK;X8IIU/H4Z,[&Q9JRH9?42_&@HWYK]HZ.=T!GH:./O>:,?,9?UX=-Q9>Q9]T"K"6!(X72<#Z+,QD_]O#R>0<8\I*&KR_#D%;*K*0?UJ4^\E.6Y_NF?6_'"?1V/IKQ0E]YQGA6D\3NNM4P8"_"(7%$3?K*/W/#2V,-WWG<$0I0!B\V#B@J74[Y#/-B66+2!VXH)G.L25;FZ?=!<22RTW2NBXB%&/ZS#SX^-QJI?M&8<\Q:\-JN)'N^\F!>6Z@C-2I]?Z]\6.B2.VQVD_A6"^*T)H?M_,W!/YSXK6;[M>SGAR-VH3^0>%9NJ1]@@K)67&7/V%O_3[OF.'<,T%J5ZL72L]37J-_$MC2>(H&,9[M1:NXKD2K>O:TG;B:GW=@Q1(L*.R<^(MY5A_^_O8!>:^$:]\CQHP>)S+I]<;5N).%^:.8JS[S3FZR,&HSVGM6AGYFS+]\ZX&@S_E6H<];#K4;1$3R8>ZN4&.\#W$E#>1S"@K%MO]"&:N..]TKOG:^2C_&3V?3[2D4NJG'D!\W!S8N'DUJ:%E5G]>,:X'\MZD+YLQGAG#WCE;>M')5*B/UEF;O&WH]5I?%-O2^_BQ^HXFSH9$%XN0/SJ,O++7,E_K/SXR/X=+`?=X.2*1V%U=[2%C$8M^F<]-'R#3Z]1)[_<.Z9-1=L8!GK?E)4@3RM(6;@7!OE@PAYS@_8,=I5:A)L,U8"W>NEHJBG2QXBH=LSX1]>(_9?'[F4.+;\!MW3]Y#N1Y[U=C:EPI>Z/)`>0-1XW2>ACS0]]G<&N$+O/#*U*L>62$/Y:Y+IOXUEY:\GX@CN&IW<SDT/:+T_5+SY06#OEE#YS\NC.5F^]P]7$=T-@G@S?C;,H-[R0M65V*^8#/2>&\X@M;=40N2<JD\+/)D\S)N5J$#-J:RAY1!>CJVVSPHW4/RA7J:>J0B[J?[H9&ZY+KR;N[9=W]MB[&:]Q-$35'9D/!3/SC#IGC*HHG+R%XN2?S98I\6FOF8!=38CGY!A[KR!SU@M:@X#A]M-G@L.RJ/JJ$*<*)@C&NO"!:?6HZR^C5+OB>U=T60Y]Z:YA!3X9HXU9$%:!Z1^%XO^9M:=GZ]U#6J*-!.B])L^M67#!(M9>E@-?QC\Y?R?M5C4E6`]?=[N&]_!A:IPRGNN!T#DJ77]%XKJ-2)T=B!_MD?3/-J#Z=U5^EHQ*A*]CP0*+%<#UJ!SJG6IA^#JQA%OFJ1=_@0[OG@^0-Y1;*T)?T?H0$2>?!GVXA(!7TU2D7*^+_9D)N85VL;'NMQT"BC=E\[.%NLG52*Q?;,W==[HT/<'&Z&?G\-]#N!0B3[GD;=-GG>!HT)YL,>=C`]2UH42V]^>9@)B>!T%=OU8UP)$A4"LP8?'(EZV3EW\1B\=-I@8D@?"OL\FQG8^@B]8%G<KA@]QP(^/WSF!MHN!I.,V?,KRS*L*7;Q;J\FUS+G8RTJ'J'JRX/5#C<2@#:\2)?^0UO<U%L6OX+*H$6!XOSY<?AY?Q(=7T/8WE@^$'LB/9LF#M)8T\6\TN?=ZN]O(]I&\WJJY\T_W/-$+)1T,T#7<L(O,@R!IH(*[)EO<UP!C1SD7O[C-R,FVF6O<]><GR)K$)>`8\UIEUIK+(S<>\Y9-^6L;7%7S]M(LG.B+"OHU\P92$BV*+L6<7+80!^QC(9.+A#&=IU99?:U7_`YGK6E=L_P(>+#[G])S"Q[9?T_X9SF&"3_Q`=/^1<+?W[#G`0V3O5!T`T$.M@/.U]>=H\:FXH$)/1?'/QI0/!KZ`]7(5\U`2+P"^[/ZF>`XB4?H9FQ^,.]1KS5@0J>F(X<C6QWL%UG2PV*_+E0W$27S(?QVJ!5RF.2VU[L=ZJ%CH>&;J!%/CS"#90.M,\1U1?\Z.6^!%`?@-KN,4TIC3ZN!X3F`[5V_3@U!ZT[Y`?/]I38NI`K+4MY;.(6RPJOIBUN\S\T=;QO7=>7>=`VLIP@T)9#C!X`BPW*X;_<.I0Q"*G!-\:8B/B6G9QCV.UJ?W%YL#,^'>\<I)G#W?8:2V%B3+G)[NV^@!]T;9-!`S&%`\F\,V-D=NUS$L%ECLQ0DNH$<WT4?CM6G^!DG/T>N]\FL?^=<%H]7I3AZX+(!DB>%'=VAOLP&AWL^/%T2_#U%RO3YD'OT`0]-!:E`U&2UY.)YHW\'YNK`O`E`S6B3?[[ZG@<_QOS$'2<`@(P\@;]\FYE[U,JLN6UOWWHW#N'-I=CGDJZ#4G3#M##:3EGJ(M%UUJWJB-2S28_XT.5>5R*G3H8R]<KY];'0:?(F^G3W=?X+)2T$E=8AJ0ZJF9%P3U.C>VVQ^Y.:6R1W#%ZDNMYI[?OW0=U4T%X#8Z[M!!U!S"KA5C,&F1O@\E)K=2XF+0]TYZP7!?;,]?:ZPY.9\JQ6RE&FP\%(%N=7HR+HTM=MI;@1_\\N8&*5B9^\BI!/VW9F]<[C5O$7*=1.)`;@1A@MI6IU3\T7]S!3Q7W_LJ=_UQ]`7U70/'BU[I?\\BW&K99S0.9C$AS99V6NY%:IPRZKX8Z'I4'.\/I"@%MNBO8^MSD-C*FQ5*V?G$%2J[VNL7TR,'O"KO1G6^+_P,C^!PHV7R^O?Q8@L5R/=?_)\>2U8]QHBDZHQNXO&29P6"B@N*Z27IT7[U#-$P9<KBT;;O%JGMN-.4@24JLKH6<ZD'0:0O*`Y3#D&8W>?N_W1`"!"FLN&VFJ*KX]L-?A"C%]]"66MH+.3B/"/DV8?TL/UQ:\^AIN(`IEMT=!_'A?:@:K`<$%WV#BI5ZDM4;I?]NH%]K+Q3KTCE+?@M+J0)TH:"3_BWX9\CV.(=#X*-3%/_AY&1?E_"T]]VI6EQ,R(S3FZ5.9+X=53=29;=,,%4\8PK_J:G+_>]^H.LJ^DL#J,1:J@@QX0SZ^1)(S#=QXS89P+7V]GVV*)<L;$B:2;[F_P<07'?D(5^$LC`N%#WT8X3@K&P3[A!6\)W9]LNDXOIW7QCEC,&ZEE@4G:IFSDD@8AA3^)Y;-[/NCDG*2JU7!-[[;UI]NLM?B%E(^:(MH>2)B.)'B$_;U;5G%SD?%XVPW`0W;Y65O<R.%#%DS+OWCEZ?,Q/97G7=.MO08?VAKEWE

M6D'S]A^P)_P40_X*5_L/?\%6F_X(O?\ !3?XS6?Q)3QCI;2?#7XFBW5;B&62 MVEFM9&?8KS0RF*6%DE#21SJ LAC&6 /=_P#@H1_P<52?LG?MVR?\$[OV7OV! M_&OQ[^(VF64X@TPUKVK6QEM4O!'!#9W4ERR6TB2.=J*N[&XD-CE!O@@C MX\22?%+X,B=WLH:=T^N]`DC(&G0EP`@N_FLN&DI?BJ+-U$HQ2*IPLD2\H@*G^\E?[$3,PQM#D'H^^(^:KV^:'(K=`!'$:IKHOXX8X;/ZTMU%B^C@QC'6[6?`"TP(?&?XP+ZO:H@_?VQ7@F*-.?3^%-%%E&DS8P+S=/A+MC#A`+XS5+_EDZ@RO9VLVNN-`+Y'5TGHYA\:W@C]PWZ.RIMI.G72;1T93N:OA)?82;66;UJ]@E%CQ_%%,;>^*FHN4^WGOR!=9X=:NN&!:<I#-*+]*:(N'RV_NM7QP]B?KO6XE]S`9/5T=_FZ@RR\73K&8IXGI1N`SN$+#-(8^]<:G@C>^XQZ,@9X`HZ*A#OEGS[N[]PX0%D6S9?!A$;BO[Z@WR!_WK&#[*T`0V]FV?8P?%;7(M2U1O'$:1,SIP&<RS<>\0-;-E5IWLJLKGD;[K@^3-GS<VP;U>?KD`<*DX[V>?0/RT"N#RWM9%@P)`\M(7HSQ6J-T#)U&0O(R^FDY:0,^AQGV=7I*N9W&G;;_L%,-^Y#A]/HLIM-?0BS-E=I;47=9Q^%+]@:Y^R./](ZF<,^F*1;MR\^A+H'@CWTGJ\NKA.XM(S*?=&9-V$:(X:9Q)&P1A0/M^F\8KY!%5M=ESPG3V^+#WIE<PNKW!W&*)QAV>[UX]&I'/B\PDE]:S]X$T^F_"HX?'ZV

Province	CA		
Entity Address, Postal Zip Code	95054		
City Area Code	408		
Local Phone Number	749-4000		
Title of 12(b) Security	Common Stock, $0.01 par value per share		
Trading Symbol	AMD		
Security Exchange Name	NASDAQ		
Entity Well-known Seasoned Issuer	Yes		
Entity Voluntary Filers	No		
Entity Current Reporting Status	Yes		
Entity Interactive Data Current	Yes		
Entity Filer Category	Large Accelerated Filer		
Entity Small Business	false		
Entity Emerging Growth Company	false		
ICFR Auditor Attestation Flag	true		
Entity Shell Company	false		
Entity Public Float			$ 261.4
Entity Common Stock, Shares Outstanding		1,620,477,962	
Documents Incorporated by Reference	Portions of the registrant’s proxy statement for the 2025 Annual Meeting of Stockholders (2025 Proxy Statement) are incorporated into Part III hereof. The 2025 Proxy Statement will be filed with the U.S. Securities and Exchange Commission within 120 days after the registrant’s fiscal year ended December 28, 2024.		
Amendment Flag	false		
Document Fiscal Year Focus	2024		
Document Fiscal Period Focus	FY		
Entity Central Index Key	0000002488		
Auditor Firm ID	42		
Document Financial Statement Error Correction [Flag]	false		

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Audit Information	12 Months Ended Dec. 28, 2024
Auditor [Line Items]	
Auditor Location	San Jose, California
Auditor Name	Ernst & Young LLP
Auditor Firm ID	42

XML 23 R3.htm IDEA: XBRL DOCUMENT

Consolidated Statements of Operations - USD ($) shares in Millions, $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Income Statement [Abstract]			
Net revenue	$ 25,785	$ 22,680	$ 23,601
Cost of sales	12,114	11,278	11,550
Cost, Depreciation, Amortization and Depletion	946	942	1,448
Total cost of sales	13,060	12,220	12,998
Gross profit	12,725	10,460	10,603
Research and development	6,456	5,872	5,005
Marketing, general and administrative	2,783	2,352	2,336
Amortization of acquisition-related intangibles_Opex	1,448	1,869	2,100
Restructuring charges	186	0	0
Licensing gain	(48)	(34)	(102)
Operating income	1,900	401	1,264
Interest expense	(92)	(106)	(88)
Other income (expense), net	181	197	8
Income before income taxes and equity income	1,989	492	1,184
Income tax provision (benefit)	381	(346)	(122)
Equity income in investee	33	16	14
Net income	$ 1,641	$ 854	$ 1,320
Earnings per share			
Basic (in usd per share)	$ 1.01	$ 0.53	$ 0.85
Diluted (in usd per share)	$ 1.00	$ 0.53	$ 0.84
Shares used in per share calculation			
Basic (in shares)	1,620	1,614	1,561
Diluted (in shares)	1,637	1,625	1,571

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Consolidated Statements of Comprehensive Income - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Net income	$ 1,641	$ 854	$ 1,320
Net change in unrealized gains (losses) on cash flow hedges	(59)	31	(38)
Total comprehensive income	$ 1,582	$ 885	$ 1,282

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Consolidated Balance Sheets - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023
Current assets:		
Cash and cash equivalents	$ 3,787	$ 3,933
Short-term investments	1,345	1,840
Accounts receivable, net	6,192	4,323
Inventories	5,734	4,351
Other Receivables	113	9
Prepaid expenses and other current assets	1,878	2,312
Total current assets	19,049	16,768
Property and equipment, net	1,802	1,589
Operating lease right-of-use assets	623	633
Goodwill	24,839	24,262
Acquisition-related intangibles	18,930	21,363
Investment: equity method	149	99

Deferred tax assets, net	688	366
Other non-current assets	3,146	2,805
Total assets	69,226	67,885
Current liabilities:		
Accounts payable	1,990	2,055
Accounts Payable, Other	476	363
Accrued liabilities	4,260	3,082
Current portion of long-term debt, net	0	751
Other current liabilities	555	438
Total current liabilities	7,281	6,689
Long-term debt, net of current portion	1,721	1,717
Long-term operating lease liabilities	491	535
Deferred tax liabilities	349	1,202
Other long-term liabilities	1,816	1,850
Commitments and Contingencies (see Notes 17 and 18)		
Stockholders' equity:		
Common Stock, Value, Issued	17	17
Additional paid-in capital	61,362	59,676
Treasury Stock, Value	(6,106)	(4,514)
Retained earnings	2,364	723
Accumulated other comprehensive loss	(69)	(10)
Total stockholders' equity	57,568	55,892
Total liabilities and stockholders' equity	$ 69,226	$ 67,885

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Consolidated Balance Sheets (Parenthetical) - $ / shares shares in Millions	Dec. 28, 2024	Dec. 30, 2023
Statement of Financial Position [Abstract]		
Common stock, par value (USD per share)	$ 0.01	$ 0.01
Common stock, shares authorized (shares)	2,250	2,250
Common stock, shares issued (shares)	1,680	1,663
Common stock, shares outstanding (shares)	1,622	1,616
Treasury stock (shares)	58	47

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Consolidated Statements of Stockholders Equity - USD ($) $ in Millions	Total	Common stock	Additional paid-in capital	Additional paid-in capital fair value of common stock issued as acquisition consideration	Additional paid-in capital pre-combination unvested restricted stock units assumed	Retained earnings (accumulated deficit)	Accumulated other comprehensive loss	Treasury stock
Beginning balance at Dec. 25, 2021		$ 12	$ 11,069			$ (1,451)	$ (3)	$ (2,130)
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Stock-based compensation			1,080					
Issuance of common stock warrants			42					
Issuance of common stock to settle convertible debt			0					
Payment, Tax Withholding, Share-based Payment Arrangement	$ 406							(405)
Net income	1,320					1,320		
Other comprehensive income (loss)							(38)	
Ending balance at Dec. 31, 2022	54,750	16	58,005			(131)	(41)	(3,099)
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Consideration transferred		4		$ 45,372	$ 275			3,138
Repurchases of common stock								(3,702)
Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture		0	167					
Stock-based compensation			1,384					
Issuance of common stock warrants			13					
Issuance of common stock to settle convertible debt			1					
Payment, Tax Withholding, Share-based Payment Arrangement	427							(430)
Net income	854					854		
Other comprehensive income (loss)							31	
Ending balance at Dec. 30, 2023	55,892	17	59,676			723	(10)	(4,514)
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Consideration transferred		0		0	0			0
Repurchases of common stock								(985)
Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture		1	273					
Stock-based compensation			1,407					
Issuance of common stock warrants			0					
Issuance of common stock to settle convertible debt			0					
Payment, Tax Withholding, Share-based Payment Arrangement	728							(730)
Net income	1,641					1,641		
Other comprehensive income (loss)							(59)	
Ending balance at Dec. 28, 2024	57,568	17	61,362			$ 2,364	$ (69)	(6,106)
Increase (Decrease) in Stockholders' Equity [Roll Forward]								
Consideration transferred		0		$ 0	$ 0			0
Repurchases of common stock	$ 862							$ (862)
Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture		$ 0	$ 279					

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Consolidated Statements of Cash Flows - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Cash flows from operating activities:			
Net income	$ 1,641	$ 854	$ 1,320

Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	671	642	626
Amortization of operating lease right-of-use assets	2,393	2,811	3,548
Stock-based compensation	1,407	1,384	1,081
Amortization of operating lease right-of-use assets	113	98	88
Amortization of Inventory FV adjustment	0	3	189
Deferred income taxes	(1,163)	(1,019)	(1,505)
Inventory loss at contract manufacturer	65	0	0
Other	12	(57)	64
Changes in operating assets and liabilities:			
Accounts receivable, net	(1,865)	(1,339)	(278)
Inventories	(1,458)	(580)	(1,401)
Prepaid expenses and other assets	343	(383)	(2,010)
Receivables from and payable to related parties, net	108	(107)	366
Accounts payable	(109)	(419)	931
Accrued and other liabilities	883	(221)	546
Net cash provided by operating activities	3,041	1,667	3,565
Cash flows from investing activities:			
Purchases of property and equipment	(636)	(546)	(450)
Purchases of short-term investments	(1,493)	(3,722)	(2,667)
Proceeds from Maturities, Prepayments and Calls of Short-Term Investments	1,416	2,687	4,310
Proceeds from Sale of Short-Term Investments	616	300	0
Cash Acquired from Acquisition			2,366
Acquisitions, net of cash acquired, all others	(548)	(131)	(1,544)
Payments to Acquire Interest in Subsidiaries and Affiliates	(17)	0	0
Origination of Notes Receivable from Related Parties	(100)	0	0
Payments to Acquire Other Investments	(341)	(11)	(5)
Other	2	0	(11)
Net cash provided by (used in) investing activities	(1,101)	(1,423)	1,999
Cash flows from financing activities:			
Proceeds from debt, net of issuance costs	0	0	991
Repayment of debt	(750)	0	(312)
Proceeds from sales of common stock through employee equity plans	279	268	167
Repurchases of common stock	(862)	(985)	(3,702)
Stock repurchases for tax withholding on employee equity plans	(728)	(427)	(406)
Other	(1)	(2)	(2)
Net cash used in financing activities	(2,062)	(1,146)	(3,264)
Net increase (decrease) in cash, cash equivalents and restricted cash	(122)	(902)	2,300
Cash, cash equivalents and restricted cash at beginning of year	3,933	4,835	2,535
Cash, cash equivalents and restricted cash at end of year	3,811	3,933	4,835
Cash paid during the year for:			
Interest	72	84	85
Income taxes, net of refund	1,386	523	685
Non-cash investing and financing activities:			
Purchases of property and equipment, accrued but not paid	144	106	157
Stock Issued	0	0	48,514
Other Significant Noncash Transaction, Value of Consideration Given	0	0	275
Non-cash activities for leases:			
Right-of-Use Asset Obtained in Exchange for Operating Lease Liability	102	273	115
Reconciliation of cash, cash equivalents, and restricted cash			
Cash and cash equivalents	3,787	3,933	4,835
Restricted cash included in Prepaid expense and other current assets	24	0	0
Total cash, cash equivalents, and restricted cash	$ 3,811	$ 3,933	$ 4,835

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The Company	**12 Months Ended Dec. 28, 2024**
Organization, Consolidation and Presentation of Financial Statements [Abstract]	
The Company	The CompanyAdvanced Micro Devices, Inc. is a global semiconductor company. References herein to AMD or the Company mean Advanced Micro Devices, Inc. and its consolidated subsidiaries. AMD’s products include Artificial Intelligence (AI) Accelerators, x86 microprocessors (CPUs) and graphics processing units (GPUs), as standalone devices or as incorporated into accelerated processing units (APUs), chipsets, data center and professional GPUs, embedded processors, semi-custom System-on-Chip (SoC) products, microprocessor and SoC development services and technology, data processing units (DPUs), Field Programmable Gate Arrays (FPGAs), System on Modules (SOMs), Smart Network Interface Cards (SmartNICs), and Adaptive SoC products. From time to time, the Company may also sell or license portions of its intellectual property (IP) portfolio.

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Summary of Significant Accounting Policies	**12 Months Ended Dec. 28, 2024**
Accounting Policies [Abstract]	
Summary of Significant Accounting Policies	Basis of Presentation and Significant Accounting Policies *Fiscal Year.* The Company uses a 52- or 53-week fiscal year ending on the last Saturday in December. Fiscal years 2024, 2023 and 2022 ended on December 28, 2024, December 30, 2023 and December 31, 2022, respectively. Fiscal years 2024 and 2023 each consisted of 52 weeks, while fiscal year 2022 consisted of 53 weeks. *Principles of Consolidation.* The Consolidated Financial Statements include the Company’s accounts and those of its wholly-owned subsidiaries. Upon consolidation, all inter-company accounts and transactions have been eliminated. *Reclassification and Change in Presentation.* Unbilled receivables of $1.1 billion as of December 30, 2023 were reclassified from within Accounts receivable, net to within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets and in the Statements of Cash Flows to conform to current period presentation. *Use of Estimates.* The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results are likely to differ from those estimates, and such differences may be material to the financial statements. Areas where management uses subjective judgment include, but are not limited to, revenue allowances, inventory valuation, valuation of goodwill and long-lived and intangible assets, and income taxes. **Revenue Recognition** Revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the Company expects to receive in exchange for those goods or services. Sales, value-added, and other taxes collected concurrently with the provision of goods or services are excluded from revenue. Shipping and handling costs associated with product sales are included in cost of sales. Substantially all of the Company’s revenue is derived from product sales. Customers are generally required to pay for products and services within the Company’s standard contractual terms, which are typically net 30 to 60 days. The Company has determined that it does not have significant financing components in its contracts with customers. *Non-custom products* The Company transfers control and recognizes revenue when non-custom products are shipped to customers, which includes original equipment manufacturers (OEM) and distributors, in accordance with the shipping terms of the sale. Certain OEMs may be entitled to rights of return and rebates under OEM agreements. The Company also sells to distributors under terms allowing the majority of distributors certain rights of return and price protection on unsold merchandise held by them. The Company estimates the amount of variable consideration under OEM and distributor arrangements and, accordingly, records a provision for product returns, allowances for price protection and rebates based on actual historical experience and any known events. The Company offers incentive programs to certain customers, including cooperative advertising, marketing promotions, volume-based incentives and special pricing arrangements. Where funds provided for such programs can be estimated, the Company recognizes a reduction to revenue at the time the related revenue is recognized; otherwise, the Company recognizes such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where the Company reimburses a customer for a portion of the customer’s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition. Constraints of variable consideration have not been material. *Custom products* Custom products, which are primarily associated with the Company’s Gaming segment, are sold under non-cancellable purchases orders, for which the Company has an enforceable right to payment, and

which have no alternative use to the Company at contract inception, are recognized as revenue, over the time of production of the products by the Company. The Company utilizes a cost-based input method, calculated as cost incurred plus estimated margin, to determine the amount of revenue to recognize for in-process or completed customer orders at a reporting date. The Company believes that a cost-based input method is the most appropriate manner to measure how the Company satisfies its performance obligations to customers because the effort and costs incurred best depict the Company's satisfaction of its performance obligation.

Sales of custom products are not subject to a right of return and arrangements generally involve a single performance obligation. Generally, there are no variable consideration estimates associated with custom products.

Development and intellectual property licensing agreements

From time to time, the Company may enter into arrangements with customers that combine the provision of development services and a license to the right to use the Company's IP. These arrangements are deemed to be single or multiple performance obligations based upon the nature of the arrangements. Revenue is recognized upon the transfer of control, over time or at a point in time, depending on the nature of the arrangements. The Company evaluates whether the licensing component is distinct. A licensing component is distinct if it is both (i) capable of being distinct and (ii) distinct in the context of the arrangement. If the license is not distinct, it is combined with the development services as a single performance obligation and recognized over time. If the license is distinct, revenue is recognized at a point in time when the customer has the ability to benefit from the license.

From time to time, the Company may enter into arrangements with customers that solely involve the sale or licensing of its patents or IP. Generally, there are no performance obligations beyond transferring the designated license to the Company's patents or IP. Accordingly, revenue is recognized at a point in time when the customer has the ability to benefit from the license.

There are no variable consideration estimates associated with either combined development and IP arrangements or for standalone arrangements involving either the sale or licensing of IP.

Inventories

The Company values inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. In determining excess or obsolescence reserves for its products, the Company considers assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for its products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, the Company considers assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. The Company fully reserves for inventories and non-cancellable purchase orders for inventory deemed obsolete. The Company performs periodic reviews of inventory items to identify excess inventories on hand by comparing on-hand balances and non-cancellable purchase orders to anticipated usage using recent historical activity as well as anticipated or forecasted demand. If estimates of customer demand diminish further or market conditions become less favorable than those projected by the Company, additional inventory carrying value adjustments may be required.

Business Combinations

The Company is required to use the acquisition method of accounting for business combinations. The acquisition method of accounting requires the Company to allocate the purchase consideration to the assets acquired and liabilities assumed from the acquiree based on their respective fair values as of the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired and liabilities assumed is recorded as goodwill. When determining the fair values of assets acquired and liabilities assumed, management makes significant estimates and assumptions, especially with respect to intangible assets. Critical estimates in valuing intangible assets include, but are not limited to, expected future revenue growth rates and margins, future changes in technology, time to recreate customer relationships, useful lives, and discount rates. Fair value estimates are based on the assumptions that management believes a market participant would use in pricing the asset or liability. These estimates are inherently uncertain and, therefore, actual results may differ from the estimates made.

Goodwill

The Company performs its goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment.

The Company has the option to first perform qualitative testing to determine if it is more likely than not that the fair value of a reporting unit exceeds its carrying amount. Qualitative factors include industry and market considerations, overall financial performance, share price trends and market capitalization and Company-specific events. If the Company concludes it is more likely than not that the fair value of a reporting unit exceeds its carrying amount, the Company does not proceed to perform a quantitative impairment test.

If the Company concludes it is more likely than not that the fair value of a reporting unit is less than its carrying value or elects to bypass the qualitative test, a quantitative goodwill impairment test will be performed by comparing the fair value of each reporting unit to its carrying value. If a reporting unit's fair value is determined to be less than its carrying value, a goodwill impairment charge is recognized for the amount by which the reporting unit's fair value is less than its carrying value, not to exceed the total amount of goodwill allocated to that reporting unit.

Long-Lived and Intangible Assets

Long-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows.

When indicators of impairment exist and assets are held for use, the Company estimates future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals. Factors affecting impairment of assets held for use include the ability of the specific assets to generate separately identifiable positive cash flows.

When assets are removed from operations and held for sale, the Company estimates impairment losses as the excess of the carrying value of the assets over their fair value. Market conditions are among the factors affecting impairment of assets held for sale. Changes in any of these factors could necessitate impairment recognition in future periods for assets held for use or assets held for sale.

Cash Equivalents

Cash equivalents consist of financial instruments that are readily convertible into cash and have original maturities of three months or less at the time of purchase.

Accounts Receivable

Accounts receivable are primarily comprised of trade receivables presented net of rebates, price protection and an allowance for credit loss. The Company manages its exposure to customer credit risk through credit limits, credit lines, ongoing monitoring procedures and credit approvals. While the Company maintains an allowance for customer credit losses, its accounts receivable write-offs have historically not been significant.

Unbilled Receivables

Unbilled receivables are recorded within Prepaid expenses and other current assets on the Company's Consolidated Balance Sheets. Unbilled receivables primarily represent work completed on development services and on custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, recognized as revenue but not yet invoiced to customers.

Investments

Available-for-Sale Debt Securities. Investments in marketable debt securities are available for use in current operations, including those with maturity dates beyond one year, and are classified within current assets on the Consolidated Balance Sheets. Available-for-sale debt securities are recorded at fair value, with the change in unrealized gains and losses, net of tax, reported as a separate component on the Consolidated Statements of Comprehensive Income until realized. Fair value is determined based on quoted market rates when observable or utilizing data points that are observable. Securities with an amortized cost basis in excess of estimated fair value are assessed to determine what amount of the excess, if any, is caused by expected credit losses. Expected credit losses on securities are recognized in other income (expense) on the Consolidated Statements of Operations, and any remaining unrealized losses, net of tax, are included in Accumulated other comprehensive income (loss), in Consolidated Statements of Stockholders' Equity. The Company uses the first-in, first-out method as basis of the cost of securities sold.

Strategic Non-marketable Equity Securities. The Company's investments in non-marketable securities of privately-held companies are held for long-term strategic purposes and are accounted for under the measurement alternative, defined as cost, less impairments, adjusted for subsequent observable price changes and are periodically assessed for impairment when events or circumstances indicate that a decline in value may have occurred. The Company's periodic assessment of impairment is made by considering available evidence, including the investee's general market and industry conditions and product development status. The Company also assesses the investee's ability to meet business milestones, its financial condition, and near-term prospects, including the rate at which the investee is using its cash, the investee's need for possible additional funding at a lower valuation and any bona fide offer to purchase the investee.

Fair Value Measurements

The Company's financial instruments are measured and recorded at fair value on a recurring basis, except for non-marketable equity investments in privately-held companies, which are generally accounted for under the measurement alternative.

Fair Value Hierarchy

The fair value framework requires the categorization of assets and liabilities into three levels based upon the assumptions (inputs) used to price the assets or liabilities. The guidance for fair value measurements requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:

Level 1 — Quoted (unadjusted) prices in active markets for identical assets or liabilities.

Level 2 — Observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.

Level 3 — Unobservable inputs to the valuation methodology that are supported by little or no market activity and that are significant to the measurement of the fair value of the assets or liabilities. Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques, as well as significant management judgment or estimation.

Property and Equipment

Property and equipment are stated at cost. Depreciation and amortization are provided on a straight-line basis over the estimated useful lives of two to 15 years for equipment, 34 to 44 years for buildings, and leasehold improvements are measured by the shorter of the remaining terms of the leases or the estimated useful economic lives of the improvements.

Leases

Operating and finance leases are recorded as right-of-use (ROU) assets and lease liabilities on the Company's Consolidated Balance Sheets. ROU assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's obligation to make lease payments arising from the lease. Operating and finance lease ROU assets and liabilities are initially recognized based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses the implicit interest rate if readily determinable. When the implicit interest rate is not readily determinable, the Company uses its incremental borrowing rate, which is based on its collateralized borrowing capabilities over a similar term of the lease payments. When using the incremental borrowing rate, the Company utilizes the consolidated group incremental borrowing rate. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term. The Company has elected the accounting policy to not recognize ROU assets and lease liabilities that arise from short-term (12 months or less) leases for any class of underlying asset. Operating leases are included in operating lease ROU assets, other current liabilities, and long-term operating lease liabilities on the Company's Consolidated Balance Sheets. The Company's finance leases are immaterial.

Foreign Currency Translation/Transactions

The functional currency of the Company's foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in non-U.S. dollars have been remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and historical exchange rates for non-monetary assets and liabilities. Non-U.S. dollar denominated transactions have been remeasured at average exchange rates in effect during each period, except for those cost of sales and expense transactions related to non-monetary balance sheet amounts which have been remeasured at historical exchange rates. The gains or losses from foreign currency remeasurement are included in earnings.

Marketing and Advertising Expenses

Advertising costs are expensed as incurred. In addition, the Company's marketing and advertising expenses include certain cooperative advertising funding obligations under customer incentive programs, which costs are recorded upon agreement with customers and vendor partners. Cooperative advertising expenses are recorded as marketing, general and administrative expense to the extent the cash paid does not exceed the estimated fair value of the advertising benefit received. Any excess of cash paid over the estimated fair value of the advertising benefit received is recorded as a reduction of revenue. Total marketing and advertising expenses for 2024, 2023 and 2022 were approximately $1.2 billion, $695 million and $683 million, respectively.

Stock-Based Compensation

The Company estimates stock-based compensation cost for stock options at the grant date based on the option's fair value as calculated by the Black-Scholes model. For time-based restricted stock units (RSUs), fair value is based on the closing price of the Company's common stock on the grant date. The Company estimates the grant-date fair value of RSUs that involve a market condition using the Monte Carlo simulation model. The Company estimates the grant-date fair value of stock to be issued under the Company's Employee Stock Purchase plan (ESPP) using the Black-Scholes model. Compensation expense is recognized over the vesting period of the applicable award using the straight-line method, except for the compensation expense related to RSUs with performance or market conditions (PRSUs), which are recognized ratably for each vesting tranche from the service inception date to the end of the requisite service period. Forfeiture rates are estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.

Contingencies

From time to time the Company is a defendant or plaintiff in various legal actions that arise in the normal course of business. The Company is also subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which it conducts business. In addition, the Company is a party to environmental matters including local, regional, state and federal government clean-up activities at or near locations where the Company currently or has in the past conducted business. The Company is required to assess the likelihood of any adverse judgments or outcomes to these matters as well as potential ranges of reasonably possible losses. A determination of the amount of reserves required for these commitments and contingencies that would be charged to earnings, if any, includes assessing the probability of adverse outcomes and estimating the amount of potential losses. The required reserves, if any, may change due to new developments in each matter or changes in circumstances such as a change in settlement strategy.

Income Taxes

The Company computes the provision for income taxes using the liability method and recognizes deferred tax assets and liabilities for temporary differences between financial statement and income tax bases of assets and liabilities, as well as for operating loss and tax credit carryforwards. The Company measures deferred tax assets and liabilities using tax rates applicable to taxable income in effect for the years in which those tax assets are expected to be realized or settled and provides a valuation allowance against deferred tax assets when it cannot conclude that it is more likely than not that some or all deferred tax assets will be realized. The assessment requires significant judgment and is performed in each of the applicable taxing jurisdictions. In addition, the Company recognizes tax benefits from uncertain tax positions only if it is more likely than not that they will be sustained, based on the technical merits of the positions, on examination by the jurisdictional tax authority. Interest and penalties related to income taxes are recorded within the Income tax provision (benefit) line in the Company’s Consolidated Statements of Operations. The Company is subject to the Global Intangible Low Taxed Income (GILTI) tax in the U.S. and recognizes deferred taxes for temporary basis differences that are expected to reverse as GILTI tax in future years.

Recently Issued Accounting Standard Updates Adopted

In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company’s fiscal year 2024 and interim periods in fiscal year 2025. The Company adopted this standard in the fourth quarter of 2024. See Note 4 - Segment Reporting for further information.

Recently Issued Accounting Standard Updates Not Yet Adopted

In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company’s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.

In November 2024, the FASB issued ASU 2024-03 Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses. The new guidance is intended to provide investors enhanced disclosures and requires public companies to disaggregate key expense types. The update is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The disclosure updates are required to be applied prospectively with the option for retrospective application. The Company is currently evaluating the impact of this new standard on its Consolidated Financial Statements.

Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.

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Supplemental Balance Sheet Information	**12 Months Ended** **Dec. 28, 2024**
Balance Sheet Related Disclosures [Abstract]	
Supplemental Balance Sheet Information	Supplemental Financial Statement Information

Inventories	December 28, 2024		December 30, 2023	
	(In millions)			
Raw materials	$	351	$	279
Work in process		4,289		3,260
Finished goods		1,094		812
Total inventories	$	5,734	$	4,351

Prepaid Expenses and Other Current Assets	December 28, 2024		December 30, 2023	
	(In millions)			
Unbilled receivables	$	628	$	1,053
Other		1,250		1,259
Total prepaid expenses and other current assets	$	1,878	$	2,312

Property and Equipment, net	December 28, 2024		December 30, 2023	
	(In millions)			
Land, building and leasehold improvements	$	853	$	821
Equipment		2,798		2,346
Construction in progress		324		209
Property and equipment, gross		3,975		3,376
Accumulated depreciation		(2,173)		(1,787)
Total property and equipment, net	$	1,802	$	1,589

Depreciation expense for 2024, 2023 and 2022 was $454 million, $441 million and $439 million, respectively.

Accrued Liabilities	December 28, 2024		December 30, 2023	
	(In millions)			
Accrued marketing programs	$	1,063	$	827
Accrued compensation and benefits		1,174		884
Customer-related liabilities		1,349		788
Other accrued and current liabilities		674		583
Total accrued liabilities	$	4,260	$	3,082

Revenue

Revenue allocated to remaining performance obligations that are unsatisfied (or partially unsatisfied) include amounts received from customers and amounts that will be invoiced and recognized as revenue in future periods for development services, IP licensing and product revenue. As of December 28, 2024, the aggregate transaction price allocated to remaining performance obligations under contracts with an original expected duration of more than one year was $85 million, of which $67 million is expected to be recognized in the next 12 months. The revenue allocated to remaining performance obligations does not include amounts which have an original expected duration of one year or less.

Revenue recognized over time associated with custom products and development services accounted for approximately 8%, 25% and 24% of the Company’s revenue in 2024, 2023 and 2022, respectively.

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Segment Reporting	**12 Months Ended** **Dec. 28, 2024**
Segment Reporting [Abstract]	
Segment Reporting	Segment Reporting

Management, including the Chief Operating Decision Maker (CODM), who is the Company’s Chief Executive Officer, reviews and assesses operating performance using segment net revenue, consolidated cost of sales and operating expenses and operating income (loss). These performance measures include the allocation of expenses to the reportable segments based on management’s judgment. The CODM is regularly provided segment operating income to assess relative segment performance.

The Company’s four reportable segments are:

- the Data Center segment, which primarily includes Artificial Intelligence (AI) accelerators, server microprocessors (CPUs), graphics processing units (GPUs), accelerated processing units (APUs), data processing units (DPUs), Field Programmable Gate Arrays (FPGAs), Smart Network Interface Cards (SmartNICs) and Adaptive System-on-Chip (SoC) products for data centers;
- the Client segment, which primarily includes CPUs, APUs, and chipsets for desktops and notebooks;
- the Gaming segment, which primarily includes discrete GPUs, and semi-custom SoC products and development services; and
- the Embedded segment, which primarily includes embedded CPUs, GPUs, APUs, FPGAs, System on Modules (SOMs), and Adaptive SoC products.

From time to time, the Company may also sell or license portions of its IP portfolio.

In addition to these reportable segments, the Company has an All Other category, which is not a reportable segment. This category primarily includes certain expenses and credits that are not allocated to any of the reportable segments because the CODM does not consider these expenses and credits in evaluating the performance of the reportable segments. This category primarily includes amortization of acquisition-related intangibles, employee stock-based compensation, acquisition-related and other costs, restructuring charges and licensing gain. Acquisition-related and other costs primarily include transaction costs, purchase price fair value adjustments for inventory, certain compensation charges, contract termination costs and workforce rebalancing charges.

The following table provides a summary of net revenue and operating income (loss) by segment for 2024, 2023 and 2022.

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Net revenue:			
Data Center	$ 12,579	$ 6,496	$ 6,043
Client	7,054	4,651	6,201
Gaming	2,595	6,212	6,805
Embedded	3,557	5,321	4,552
Total net revenue	$ 25,785	$ 22,680	$ 23,601
Cost of sales and operating expenses:			
Data Center	$ 9,097	$ 5,229	$ 4,195
Client	6,157	4,697	5,011
Gaming	2,305	5,241	5,852
Embedded	2,136	2,693	2,300
All Other	4,190	4,419	4,979
Total cost of sales and operating expenses	$ 23,885	$ 22,279	$ 22,337
Operating income (loss):			
Data Center	$ 3,482	$ 1,267	$ 1,848
Client	897	(46)	1,190
Gaming	290	971	953
Embedded	1,421	2,628	2,252
All Other	(4,190)	(4,419)	(4,979)
Total operating income	$ 1,900	$ 401	$ 1,264

Segment cost of sales and operating expenses primarily include material, external manufacturing, labor and marketing and advertising costs, and exclude expenses and credits that are recorded within the All Other category.

The following table provides items included in All Other category:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Operating loss:			
Amortization of acquisition-related intangibles	$ 2,394	$ 2,811	$ 3,548
Stock-based compensation expense	1,407	1,384	1,081
Acquisition-related and other costs	186	258	452
Restructuring charges	186	—	—
Inventory loss at contract manufacturer	65	—	—
Licensing gain	(48)	(34)	(102)
Total operating loss	$ 4,190	$ 4,419	$ 4,979

The Company does not discretely allocate assets to its operating segments, nor does management evaluate operating segments using discrete asset information.

The following table summarizes sales to external customers by geographic regions based on billing location of the customer:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
United States	8,693	7,837	8,049
China (including Hong Kong)	6,231	3,417	5,207
Singapore	3,614	2,231	1,380
Taiwan	3,301	1,841	2,369
Japan	1,767	4,629	4,177
Europe	1,625	2,030	1,773
Other regions	554	695	646
Total sales to external customers	$ 25,785	$ 22,680	$ 23,601

The following table summarizes sales to a major customer that accounted for at least 10% of the Company’s consolidated net revenue for the respective years:

		Year Ended		
	Segment	December 28, 2024	December 30, 2023	December 31, 2022
Customer A	Gaming	*	18 %	16 %

* Less than 10%

The following table summarizes Property and equipment, net by geographic areas:

	December 28, 2024	December 30, 2023
	(In millions)	
United States	$ 1,312	$ 1,143
Singapore	140	144
Canada	104	84
India	100	86
Ireland	46	46
China (including Hong Kong)	38	42
Other countries	62	44
Total property and equipment, net	$ 1,802	$ 1,589

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Business Combinations and Asset Acquisitions	**12 Months Ended** **Dec. 28, 2024**
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]	
Business Combination Disclosure	Business Combinations

Business Combinations

Fiscal Year 2024 Acquisitions

Silo AI Acquisition

On August 9, 2024, the Company completed the acquisition of Silo AI Oy (Silo AI), an AI lab based in Finland in an all-cash transaction of $665 million. Net of closing adjustments, transaction costs and deferred cash compensation, the purchase consideration of $553 million was allocated to $19 million of identifiable intangible assets, $43 million of net liabilities assumed, and $577 million to goodwill. Goodwill was attributed to Silo AI’s workforce who will help the Company accelerate the deployment and development of AI models and software solutions on AMD hardware. Silo AI financial results, which were not material, were included in the Company's Statement of Operations from the date of acquisition primarily within the Data Center segment.

Pending Acquisition of ZT Systems

On August 17, 2024, the Company entered into an agreement (the Agreement) to acquire ZT Group Int’l, Inc. (ZT Systems), a provider of AI and general purpose compute infrastructure for hyperscale computing companies, in a cash and stock transaction valued at approximately $4.9 billion (the Acquisition). The aggregate closing consideration payable by the Company consists of 8,335,852 shares of the Company’s common stock and $3.4 billion in cash. Contingent consideration of up to 740,964 shares of the Company’s common stock and up to $300 million of cash is payable by the Company to the extent certain conditions are met. The Agreement provides that if the Acquisition is not completed by August 17, 2025, subject to two automatic extensions until February 17, 2026, the Company will pay a termination fee of $300 million. The Acquisition is expected to close in the first half of 2025, subject to certain regulatory approvals and other customary closing conditions. The Company intends to seek a strategic partner to acquire ZT Systems' manufacturing business.

Fiscal Year 2023 Acquisitions

During the year ended December 30, 2023, the Company completed business acquisitions for a total consideration of $134 million that resulted in the recognition of $49 million of identifiable net assets and $85 million of goodwill. The financial results of these acquired businesses, which were not material, were included in the Company's Consolidated Statements of Operations from their respective dates of acquisition under the Data Center, Client and Embedded segments.

Fiscal Year 2022 Acquisitions

Pensando Acquisition

On May 26, 2022, the Company completed the acquisition of all issued and outstanding shares of Pensando, a leader in next-generation distributed computing, for a transaction valued at approximately $1.9 billion. The recorded purchase consideration of $1.7 billion is net of deferred cash compensation requiring future services and other customary closing adjustments. The purchase consideration was allocated to $349 million of intangible assets, $208 million of identifiable net assets, and $1.1 billion of goodwill.

From the acquisition date to December 30, 2022, the Consolidated Statements of Operations include immaterial revenue and operating results attributable to Pensando, which are reported under the Data Center segment.

In 2023 and 2022, Pensando acquisition-related costs of $190 million and $102 million were recorded under Cost of sales, Research and development, and Marketing, general and administrative expenses on the Company’s Consolidated Statements of Operations. Pensando acquisition-related costs were immaterial in 2024. Acquisition-related costs are primarily comprised of direct transaction costs, fair value adjustments for acquired inventory and certain compensation charges.

Xilinx Acquisition

On February 14, 2022 (Xilinx Acquisition Date), the Company completed the acquisition of all issued and outstanding shares of Xilinx, a leading provider of adaptive computing solutions, for a total purchase consideration of $48.8 billion ($46.4 billion, net of cash acquired of $2.4 billion). The purchase consideration was allocated to $27.3 billion of intangible assets, $1.3 billion of identifiable net liabilities, and $22.8 billion of goodwill.

The Consolidated Statements of Operations include the following revenue and operating income attributable to Xilinx in 2022:

		2022 (In millions)
Net revenue	$	4,612
Operating income	$	2,247

In 2022, operating income attributable to Xilinx recorded under the Embedded and Data Center segments does not include $4.2 billion of amortization of acquisition-related intangibles, employee stock-based compensation expense and acquisition-related costs, which are recorded under the “All Other” segment.

In 2023 and 2022, Xilinx acquisition-related costs of $26 million and $350 million were recorded under Cost of sales, Research and development, and Marketing, general and administrative expenses on the Company’s Consolidated Statements of Operations. Xilinx acquisition-related costs in 2024 were immaterial. Acquisition-related costs are primarily comprised of direct transaction costs, fair value adjustments for acquired inventory and certain compensation charges.

Supplemental Unaudited Pro Forma Information

Following are the supplemental consolidated financial results of the Company, Xilinx and Pensando on an unaudited pro forma basis, as if the acquisitions had been consummated as of the beginning of the fiscal year 2022.

		December 31, 2022 (in millions)
Net revenue	$	24,117
Net income	$	2,311

Goodwill

Acquisition-related Intangible Assets and Goodwill

Acquisition-related Intangible Assets

The following table summarizes Acquisition-related Intangible Assets:

	December 28, 2024			December 30, 2023		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
		(In millions)			(In millions)	
Developed technology	$ 13,408	$ (2,529)	$ 10,879	$ 13,390	$ (1,583)	$ 11,807
Customer relationships	12,324	(5,124)	7,200	12,324	(3,755)	8,569
Customer backlog	809	(809)	—	809	(809)	—
Corporate trade name	65	(65)	—	65	(65)	—
Product trademarks	914	(225)	689	914	(147)	767
Intangible assets subject to amortization	27,520	(8,752)	18,768	27,502	(6,359)	21,143
In-process Research and Development (IPR&D) not subject to amortization	162	—	162	220	—	220
Total acquisition-related intangible assets	$ 27,682	$ (8,752)	$ 18,930	$ 27,722	$ (6,359)	$ 21,363

Acquisition-related intangible amortization expense was $2.4 billion and $2.8 billion in fiscal year 2024 and 2023, respectively. During the fourth quarter of fiscal year 2024, the Company determined that the fair value of certain IPR&D recorded within the Data Center segment was not recoverable resulting from actions related to the 2024 Restructuring Plan, and recorded an impairment charge of $58 million within Restructuring charges in the Company’s Consolidated Statement of Operations.

Based on the carrying value of acquisition-related intangibles recorded as of December 28, 2024, and assuming no subsequent impairment of the underlying assets, the estimated annual amortization expense for acquisition-related intangibles is expected to be as follows:

Fiscal Year		(In millions)
2025	$	2,225
2026		2,111
2027		1,993
2028		1,885
2029		1,659
2030 and thereafter		8,895
Total	$	18,768

Goodwill

The following table summarizes changes in the carrying amount of Goodwill:

	December 31, 2022	Acquisitions	December 30, 2023	Acquisitions	December 28, 2024
	(In millions)			(In millions)	
Data Center	$ 2,884	$ 58	$ 2,942	$ 461	$ 3,403
Client	—	18	18	108	126
Gaming	238	—	238	—	238
Embedded	21,055	9	21,064	8	21,072
Total	$ 24,177	$ 85	$ 24,262	$ 577	$ 24,839

During the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units.

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Intangible Assets, Goodwill and Other	12 Months Ended Dec. 28, 2024
Goodwill and Intangible Assets Disclosure [Abstract]	

Goodwill

Acquisition-related Intangible Assets and Goodwill

Acquisition-related Intangible Assets

The following table summarizes Acquisition-related Intangible Assets:

	December 28, 2024			December 30, 2023		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
		(In millions)			(In millions)	
Developed technology	$ 13,408	$ (2,529)	$ 10,879	$ 13,390	$ (1,583)	$ 11,807
Customer relationships	12,324	(5,124)	7,200	12,324	(3,755)	8,569
Customer backlog	809	(809)	—	809	(809)	—
Corporate trade name	65	(65)	—	65	(65)	—
Product trademarks	914	(225)	689	914	(147)	767
Intangible assets subject to amortization	27,520	(8,752)	18,768	27,502	(6,359)	21,143
In-process Research and Development (IPR&D) not subject to amortization	162	—	162	220	—	220
Total acquisition-related intangible assets	$ 27,682	$ (8,752)	$ 18,930	$ 27,722	$ (6,359)	$ 21,363

Acquisition-related intangible amortization expense was $2.4 billion and $2.8 billion in fiscal year 2024 and 2023, respectively. During the fourth quarter of fiscal year 2024, the Company determined that the fair value of certain IPR&D recorded within the Data Center segment was not recoverable resulting from actions related to the 2024 Restructuring Plan, and recorded an impairment charge of $58 million within Restructuring charges in the Company’s Consolidated Statement of Operations.

Based on the carrying value of acquisition-related intangibles recorded as of December 28, 2024, and assuming no subsequent impairment of the underlying assets, the estimated annual amortization expense for acquisition-related intangibles is expected to be as follows:

Fiscal Year		(In millions)
2025	$	2,225
2026		2,111
2027		1,993
2028		1,885
2029		1,659
2030 and thereafter		8,895
Total	$	18,768

Goodwill

The following table summarizes changes in the carrying amount of Goodwill:

	December 31, 2022	Acquisitions	December 30, 2023	Acquisitions	December 28, 2024
	(In millions)			(In millions)	
Data Center	$ 2,884	$ 58	$ 2,942	$ 461	$ 3,403
Client	—	18	18	108	126
Gaming	238	—	238	—	238
Embedded	21,055	9	21,064	8	21,072
Total	$ 24,177	$ 85	$ 24,262	$ 577	$ 24,839

During the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units.

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Goodwill	12 Months Ended Dec. 28, 2024
Goodwill and Intangible Assets Disclosure [Abstract]	

Goodwill

Acquisition-related Intangible Assets and Goodwill

Acquisition-related Intangible Assets

The following table summarizes Acquisition-related Intangible Assets:

	December 28, 2024			December 30, 2023		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
		(In millions)			(In millions)	
Developed technology	$ 13,408	$ (2,529)	$ 10,879	$ 13,390	$ (1,583)	$ 11,807
Customer relationships	12,324	(5,124)	7,200	12,324	(3,755)	8,569
Customer backlog	809	(809)	—	809	(809)	—
Corporate trade name	65	(65)	—	65	(65)	—
Product trademarks	914	(225)	689	914	(147)	767
Intangible assets subject to amortization	27,520	(8,752)	18,768	27,502	(6,359)	21,143
In-process Research and Development (IPR&D) not subject to amortization	162	—	162	220	—	220
Total acquisition-related intangible assets	$ 27,682	$ (8,752)	$ 18,930	$ 27,722	$ (6,359)	$ 21,363

Acquisition-related intangible amortization expense was $2.4 billion and $2.8 billion in fiscal year 2024 and 2023, respectively. During the fourth quarter of fiscal year 2024, the Company determined that the fair value of certain IPR&D recorded within the Data Center segment was not recoverable resulting from actions related to the 2024 Restructuring Plan, and recorded an impairment charge of $58 million within Restructuring charges in the Company’s Consolidated Statement of Operations.

Based on the carrying value of acquisition-related intangibles recorded as of December 28, 2024, and assuming no subsequent impairment of the underlying assets, the estimated annual amortization expense for acquisition-related intangibles is expected to be as follows:

Fiscal Year	(In millions)
2025	$ 2,225
2026	2,111
2027	1,993
2028	1,885
2029	1,659
2030 and thereafter	8,895
Total	$ 18,768

Goodwill

The following table summarizes changes in the carrying amount of Goodwill:

	December 31, 2022	Acquisitions	December 30, 2023	Acquisitions	December 28, 2024
	(In millions)			(In millions)	
Data Center	$ 2,884	$ 58	$ 2,942	$ 461	$ 3,403
Client	—	18	18	108	126
Gaming	238	—	238	—	238
Embedded	21,055	9	21,064	8	21,072
Total	$ 24,177	$ 85	$ 24,262	$ 577	$ 24,839

During the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units.

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Related Parties - Equity Joint Ventures	**12 Months Ended Dec. 28, 2024**
Equity Method Investments and Joint Ventures [Abstract]	

Related Parties - Equity Joint Ventures

Related Parties—Equity Joint Ventures

ATMP Joint Ventures

The Company holds a 15% equity interest in two joint ventures (collectively, the ATMP JV) with affiliates of Tongfu Microelectronics Co., Ltd, a Chinese joint stock company. The Company has no obligation to fund the ATMP JV. The Company accounts for its equity interests in the ATMP JV under the equity method of accounting due to its significant influence over the ATMP JV.

The ATMP JV provides assembly, test, mark and packaging (ATMP) services to the Company. The Company assists the ATMP JV in its management of certain raw material inventory. The purchases from and resales to the ATMP JV of inventory under the Company’s inventory management program are reported within purchases and resales with the ATMP JV and do not impact the Company’s Consolidated Statement of Operations.

The Company’s purchases from the ATMP JV during each of the years 2024 and 2023 amounted to $1.7 billion . As of December 28, 2024 and December 30, 2023, the amounts payable to the ATMP JV were $476 million and $363 million, respectively, and are included in Payables to related parties on the Company’s Consolidated Balance Sheets. The Company’s resales to the ATMP JV during 2024 and 2023 amounted to $121 million and $14 million, respectively. As of December 28, 2024 and December 30, 2023, the Company had receivables from ATMP JV of $12 million and $9 million, respectively, included in Receivables from related parties on the Company’s Consolidated Balance Sheets. On October 9, 2024, the Company entered into a one-year term loan agreement with one of the ATMP JVs for $100 million to provide funds for the ATMP JV’s general corporate purposes. The loan bears interest, payable quarterly, at the three months term Secured Overnight Financing Rate (SOFR) plus 50 basis points. The loan is secured by the ATMP JV’s receivable balance due from the Company. The loan may be extended for further terms of up to twelve months. The loan is recorded within Receivables from related parties on the Company’s Consolidated Balance Sheets.

During 2024, 2023 and 2022, the Company recorded gains of $33 million, $16 million and $14 million in Equity income in investee on its Consolidated Statement of Operations, respectively. On August 8, 2024, the Company contributed $17 million to the ATMP JV, representing additional equity that is in proportion to the Company’s existing 15% equity interest. As of December 28, 2024 and December 30, 2023, the carrying value of the Company’s investment in the ATMP JV was approximately $149 million and $99 million, respectively, recorded as Investments: equity method on the Company’s Consolidated Balance Sheets.

THATIC Joint Ventures

The Company holds equity interests in two joint ventures (collectively, the THATIC JV) with Higon Information Technology Co., Ltd. (THATIC), a third-party Chinese entity. As of December 28, 2024 and December 30, 2023, the carrying value of the investment was zero.

In February 2016, the Company licensed certain of its intellectual property (Licensed IP) to the THATIC JV, payable over several years upon achievement of certain milestones. The Company also receives a royalty based on the sales of the THATIC JV’s products developed on the basis of such Licensed IP. The Company classifies Licensed IP and royalty income associated with the February 2016 agreement as Licensing gain within operating income. During 2024 and 2023, the Company recognized $48 million and $34 million of licensing gain from royalty income under the agreement, respectively. As of December 28, 2024 and December 30, 2023, the Company had no receivables from the THATIC JV.

In June 2019, the Bureau of Industry and Security of the United States Department of Commerce added certain Chinese entities to the Entity List, including THATIC and the THATIC JV. The Company is complying with U.S. law pertaining to the Entity List designation.

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Debt and Revolving Credit Facility	**12 Months Ended Dec. 28, 2024**
Debt Disclosure [Abstract]	

Debt Disclosure

Debt and Revolving Credit Facility

Debt

The Company’s total debt as of December 28, 2024 and December 30, 2023 consisted of:

	December 28, 2024	December 30, 2023
	(In millions)	
2.950% Senior Notes Due 2024 (2.950% Notes)	$ —	$ 750
2.375% Senior Notes Due 2030 (2.375% Notes)	750	750
3.924% Senior Notes Due 2032 (3.924% Notes)	500	500
4.393% Senior Notes Due 2052 (4.393% Notes)	500	500
Total debt (principal amount)	1,750	2,500
Unamortized debt discount and issuance costs	(29)	(32)
Total debt (net)	1,721	2,468
Less: current portion of long-term debt and related unamortized debt premium and issuance costs	—	(751)
Total long-term debt	$ 1,721	$ 1,717

Assumed Xilinx Notes due 2024 and 2030

In connection with the acquisition of Xilinx, the Company assumed $1.5 billion in aggregate principal of Xilinx’s 2.950% Notes due 2024 and 2.375% Notes due 2030 (together, the *Assumed Xilinx Notes*) which were recorded at fair value as of the Xilinx Acquisition Date. The Assumed Xilinx Notes are general unsecured senior obligations of the Company with semi-annual fixed interest payments due on June 1 and December 1. The 2.95% Notes with a principal amount of $750 million were repaid in June 2024.

3.924% Senior Notes Due 2032 and 4.393% Senior Notes Due 2052

On June 9, 2022, the Company issued $1.0 billion in aggregate principal amount of 3.924% Notes and 4.393% Notes. The 3.924% Notes and 4.393% Notes are general unsecured senior obligations of the Company. The interest is payable semi-annually on June 1 and December 1 of each year, commencing on December 1, 2022. The 3.924% and 4.393% Notes are governed by the terms of an indenture dated June 9, 2022 between the Company and US Bank Trust Company, National Association as trustee.

The Company may redeem some or all of the 3.924% Notes and 4.393% Notes prior to March 1, 2032 and December 1, 2051, respectively, at a price equal to the greater of the present value of the principal amount and future interest through the maturity of the 3.924% Notes or 4.393% Notes or 100% of the principal amount plus accrued and unpaid interest. Holders have the right to require the Company to repurchase all or a portion of the 3.924% Notes or 4.393% Notes in the event that the Company undergoes a change of control as defined in the indenture, at a repurchase price of 101% of the principal amount plus accrued and unpaid interest. Additionally, an event of default may result in the acceleration of the maturity of the 3.924% Notes and 4.393% Notes.

Future Payments on Total Debt

As of December 28, 2024, the Company’s future debt payment obligations were as follows:

Year	Term Debt (Principal only) (In millions)
2025 - 2029	—
2030 and thereafter	1,750
Total	$ 1,750

Revolving Credit Facility

The Company has $3 billion available under a revolving credit agreement, as amended, that expires on April 29, 2027 (Revolving Credit Agreement). As of December 28, 2024 and December 30, 2023, the Company had no outstanding borrowings under the Revolving Credit Agreement. Revolving loans under the Revolving Credit Agreement can be either Secure Overnight Financing Rate (SOFR) Loans or Base Rate Loans (each as defined in the Revolving Credit Agreement) at the Company's option. Each SOFR Loan will bear interest at a rate per annum equal to the applicable SOFR plus a margin between 0.575% and 1.20%. Each Base Rate Loan will bear interest equal to the Base Rate plus a margin between 0.000% and 0.20%. The Revolving Credit Agreement also contains a sustainability-linked pricing component which provides for interest rate and facility fee reductions or increases based on the Company meeting or missing targets related to environmental sustainability, specifically greenhouse gas emissions. The Revolving Credit Agreement contains customary representations and warranties, affirmative and negative covenants, and events of default applicable to the Company and its subsidiaries. As of December 28, 2024, the Company was in compliance with these covenants.

Commercial Paper

On November 3, 2022, the Company established a commercial paper program, under which the Company may issue unsecured commercial paper notes up to a maximum principal amount outstanding at any time of $3 billion with a maturity of up to 397 days from the date of issue. The commercial paper will be sold at a discount from par or, alternatively, will be sold at par and bear interest at rates that will vary based on market conditions at the time of issuance. During 2024 and 2023, the Company did not issue any commercial paper under the program and as of December 28, 2024 and December 30, 2023, the Company had no commercial paper outstanding.

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Financial Instruments

12 Months Ended
Dec. 28, 2024

Investments, Debt and Equity Securities [Abstract]

Financial Instruments

Financial Instruments

Financial Instruments Recorded at Fair Value on a Recurring Basis

	December 28, 2024				December 30, 2023		
(In millions)	**Level 1**	**Level 2**	**Level 3**	**Total**	**Level 1**	**Level 2**	**Total**
Cash equivalents							
Money market funds	$ 1,496	$ —	$ —	$ 1,496	$ 969	$ —	$ 969
Corporate debt securities	—	806	—	806	—	753	753
U.S. government and agency securities	130	—	—	130	1,252	—	1,252
Non-U.S. government and agency securities	—	116	—	116	—	135	135
Time deposits and certificates of deposits	—	107	—	107	—	205	205
Short-term investments							
Corporate debt securities	—	814	—	814	—	506	506
Time deposits and certificates of deposits	—	10	—	10	—	9	9
Asset-backed and mortgage-backed securities	—	28	—	28	—	34	34
U.S. government and agency securities	332	82	—	414	1,209	28	1,237
Non-U.S. government and agency securities	—	79	—	79	—	54	54
Other non-current assets							
Time deposits and certificates of deposits	—	1	—	1	—	1	1
Deferred compensation plan and other investments	197	—	25	222	133	—	133
Total assets measured at fair value	$ 2,155	$ 2,043	$ 25	$ 4,223	$ 3,563	$ 1,725	$ 5,288

Deferred compensation plan investments are primarily mutual fund investments held in a Rabbi trust established to maintain the Company’s executive deferred compensation plan.

The following is a summary of cash equivalents and short-term investments:

	December 28, 2024				December 30, 2023			
	Cost/ Amortized Cost	**Gross Unrealized Gains**	**Gross Unrealized Losses**	**Estimated Fair Value**	**Cost/ Amortized Cost**	**Gross Unrealized Gains**	**Gross Unrealized Losses**	**Estimated Fair Value**
	(in millions)				(in millions)			
Asset-backed and mortgage-backed securities	$ 30	$ —	$ (2)	$ 28	$ 35	$ —	$ (2)	$ 33
Corporate debt securities	1,621	—	(1)	1,620	1,259	—	—	1,259
Money market funds	1,496	—	—	1,496	969	—	—	969
Time deposits and certificates of deposits	117	—	—	117	214	—	—	214
U.S. government and agency securities	544	—	—	544	2,487	3	—	2,490
Non-U.S. government and agency securities	195	—	—	195	189	—	—	189
	$ 4,003	$ —	$ (3)	$ 4,000	$ 5,153	$ 3	$ (2)	$ 5,154

As of December 28, 2024 and December 30, 2023, the Company did not have material available-for-sale debt securities which had been in a continuous unrealized loss position of more than twelve months.

The contractual maturities of investments classified as available-for-sale are as follows:

	December 28, 2024		December 30, 2023	
	Amortized Cost	**Fair Value**	**Amortized Cost**	**Fair Value**
	(In millions)		(In millions)	
Due within 1 year	$ 2,073	$ 2,073	$ 3,792	$ 3,792
Due in 1 year through 5 years	406	405	361	364
Due in 5 years and later	27	26	32	30
	$ 2,506	$ 2,504	$ 4,185	$ 4,186

Financial Instruments Measured at Fair Value on a Non-Recurring Basis

As of December 28, 2024 and December 30, 2023, the Company had non-marketable securities in privately-held companies of $468 million and $155 million, respectively, which are recorded at estimated fair value based on Level 3 inputs.

Financial Instruments Not Recorded at Fair Value

The carrying amounts and estimated fair values of the Company’s long-term debt are as follows:

	December 28, 2024		December 30, 2023	
	Carrying Amount	**Estimated Fair Value**	**Carrying Amount**	**Estimated Fair Value**
	(In millions)		(In millions)	
Current portion of long-term debt, net	$ —	$ —	$ 751	$ 741
Long-term debt, net of current portion	$ 1,721	$ 1,543	$ 1,717	$ 1,630

The estimated fair value of the Company’s long-term debt is based on Level 2 inputs of quoted prices for the Company’s debt and comparable instruments in inactive markets.

The fair value of the Company’s accounts receivable, accounts payable and other short-term obligations approximate their carrying value based on existing terms.

Hedging Transactions and Derivative Financial Instruments

Foreign Currency Forward Contracts Designated as Accounting Hedges

The Company enters into foreign currency forward contracts to hedge its exposure to foreign currency exchange rate risk related to future forecasted transactions denominated in currencies other than the U.S. Dollar. These contracts generally mature within 24 months and are designated as accounting hedges. As of December 28, 2024 and December 30, 2023, the notional value of the Company’s outstanding foreign currency forward contracts designated as cash flow hedges was $2.2 billion and $2.4 billion, respectively. The fair value of these contracts as of December 28, 2024 is recorded within Prepaid expenses and other current assets, Accrued liabilities and Other long-term liabilities of $6 million, $60 million and $11 million, respectively. As of December 30, 2023, the fair value of these contracts was recorded within Prepaid expenses and other current assets and Accrued liabilities of $24 million and $18 million, respectively.

Foreign Currency Forward Contracts Not Designated as Accounting Hedges

The Company also enters into foreign currency forward contracts to reduce the short-term effects of foreign currency fluctuations on certain receivables or payables denominated in currencies other than the U.S. Dollar. These forward contracts generally mature within 3 months and are not designated as accounting hedges. As of December 28, 2024 and December 30, 2023, the notional value of these outstanding contracts was $642 million and $568 million, respectively. The fair value of these contracts was not material as of December 28, 2024 and December 30, 2023.

The cash flows associated with derivative instruments as cash flow hedging instruments are classified in the same category within the Consolidated Statement of Cash Flows as the cash flows of the related items.

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Concentrations of Credit and Operation Risk

12 Months Ended
Dec. 28, 2024

Risks and Uncertainties [Abstract]

Concentrations of Credit and Operation Risk

Concentrations of Credit Risk

Financial instruments that potentially subject the Company to concentrations of credit risk consist primarily of investments in time deposits, available-for-sale debt securities, equity investments and trade receivables.

The Company places its investments with high credit quality financial institutions. At the time an investment is made, investments in commercial paper of industrial firms and financial institutions are rated A1, P1, F1 or better. The Company invests in bonds that are rated A, A2 or better and repurchase agreements, each of which have securities of the type and quality listed above as collateral.

The Company believes that concentrations of credit risk with respect to trade receivables are limited because a large number of geographically diverse customers make up the Company’s customer base, thus diluting the trade credit risk. One customer accounted for approximately 24% and another customer accounted for 16% of the total consolidated accounts receivable balance as of December 28, 2024 and December 30, 2023, respectively. However, the Company does not believe the receivable balance from these customers represents a significant credit risk based on past collection experience and review of their current credit quality.

The Company is exposed to credit losses from nonperformance by counterparties on foreign currency hedge contracts. These counterparties are large global institutions, and to date, no such counterparty has failed to meet its financial obligations to the Company.

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Earnings Per Share

12 Months Ended
Dec. 28, 2024

Earnings Per Share [Abstract]

Earnings Per Share

Earnings Per Share

Basic earnings per share is computed based on the weighted-average number of shares outstanding.

Diluted earnings per share is computed based on the weighted-average number of shares outstanding plus potentially dilutive shares outstanding during the period. Potentially dilutive shares are determined by applying the treasury stock method to the Company’s stock options, RSUs (including PRSUs), common stock to be issued under the ESPP and warrants.

The following table sets forth the components of basic and diluted earnings per share:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions, except per share amounts)		
Numerator			
Net income for basic earnings per share	$ 1,641	$ 854	$ 1,320
Denominator			
Basic weighted-average shares	1,620	1,614	1,561
Effect of potentially dilutive shares from employee equity plans	17	11	10
Diluted weighted-average shares	1,637	1,625	1,571
Earnings per share:			
Basic	$ 1.01	$ 0.53	$ 0.85
Diluted	$ 1.00	$ 0.53	$ 0.84

Potential shares from employee equity plans totaling 1 million, 6 million and 16 million weighted-average shares for 2024, 2023 and 2022, respectively, were not included in the earnings per share calculation because their inclusion would have been anti-dilutive.

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Common Stock and Stock-Based Incentive Compensation Plans

12 Months Ended

Dec. 28, 2024

Share-Based Payment Arrangement [Abstract]

Common Stock and Stock-Based Incentive Compensation Plans

Common Stock and Stock-Based Compensation

Common Stock

Shares of common stock outstanding were as follows:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Balance, beginning of period	1,616	1,612	1,207
Common stock issued in the acquisition of Xilinx	—	—	429
Common stock issued under employee equity plans	17	17	17
Repurchases of common stock	(6)	(10)	(36)
Common stock repurchases for tax withholding on equity awards	(5)	(4)	(5)
Issuance of common stock upon warrant exercise	—	1	—
Balance, end of period	1,622	1,616	1,612

Stock Repurchase Program

The Company has an approved stock repurchase program authorizing repurchases of up to $12 billion of the Company’s common stock (Repurchase Program). During the year ended December 28, 2024, the Company repurchased 5.9 million shares of its common stock under the Repurchase Program for $862 million. As of December 28, 2024, $4.7 billion remained available for future stock repurchases under this program. This Repurchase Program does not obligate the Company to acquire any common stock, has no termination date and may be suspended or discontinued at any time.

Stock-Based Compensation

The Company’s employee equity programs are intended to attract, retain and motivate highly qualified employees. On May 18, 2023, the Company’s stockholders approved the AMD 2023 Equity Incentive Plan (the 2023 Plan), which supersedes the AMD 2004 Equity Incentive Plan and the Xilinx, Inc. 2007 Equity Incentive Plan (the Prior Plans). Outstanding awards granted under the Prior Plans will continue to be governed by the terms of the Prior Plans but no awards may be made under the Prior Plans on or after May 18, 2023. Under the 2023 Plan, 87,645,874 shares of the Company’s common stock are reserved and available for delivery pursuant to awards granted under the 2023 Plan. Generally, stock options granted under the 2023 Plan vest and become exercisable over a four-year period from the date of grant and expire within seven years after the grant date. Unvested shares from the 2023 Plan that are reacquired by the Company from forfeited outstanding equity awards become available for grant and may be reissued as new awards. Under the 2023 Plan, the Company can grant (i) stock options, and (ii) RSUs, including time-based RSUs and PRSUs.

Stock Options. Under the 2023 Plan, nonstatutory and incentive stock options may be granted. The exercise price of the shares subject to each nonstatutory stock option and incentive stock option cannot be less than 100% of the fair market value of the Company’s common stock on the date of the grant. The exercise price of each option granted under the 2023 Plan must be paid in full at the time of the exercise.

Time-based RSUs. Time-based RSUs are awards that can be granted to any employee, director or consultant and that obligate the Company to issue a specific number of shares of the Company’s common stock in the future if the vesting terms and conditions are satisfied.

PRSUs. PRSUs can be granted to certain of the Company’s senior executives. The performance metrics can be financial performance, non-financial performance and/or market conditions. Each PRSU award reflects a target number of shares (Target Shares) that may be issued to an award recipient before adjusting based on the Company’s financial performance, non-financial performance and/or market conditions. The actual number of shares that a grant recipient receives at the end of the period may range from 0% to 250% of the Target Shares granted, depending upon the degree of achievement of the performance target designated by each individual award.

ESPP. Under the 2017 Plan, eligible employees who participate in an offering period may have up to 15% of their eligible earnings withheld, up to certain limitations, to purchase shares of common stock at 85% of the lower of the fair market value on the first or the last business day of the six-month offering period. The offering periods commence in May and November each year.

As of December 28, 2024, the Company had 60 million shares of common stock that were available for future grants and 34 million shares reserved for issuance upon the exercise of outstanding stock options or the vesting of unvested RSUs, including PRSUs, under the 2023 Plan and the Prior Plans.

Valuation and Expense

Stock-based compensation expense was allocated in the Company’s Consolidated Statements of Operations as follows:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Cost of sales	$ 21	$ 30	$ 29
Research and development	1,079	1,002	697
Marketing, general, and administrative	307	352	355
Total stock-based compensation expense before income taxes	1,407	1,384	1,081
Income tax benefit	(251)	(249)	(179)
Total stock-based compensation expense, net of income taxes	$ 1,156	$ 1,135	$ 902

Stock Options. The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was $68.38, $53.72 and $44.35 per share, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	54.34 %	52.36% - 52.42%	51.28 %
Risk-free interest rate	3.80 %	3.93% - 4.11%	3.00 %
Expected dividends	— %	— %	— %
Expected life (in years)	4.98	4.96 - 5.04	4.75

The Company uses a combination of the historical volatility of its common stock and the implied volatility for publicly traded options on the Company’s common stock as the expected volatility assumption. The risk-free interest rate is based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the option grant at the date closest to the option grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of employee stock options represents the weighted-average period the stock options are expected to remain outstanding.

The following table summarizes stock option activity and related information:

	Outstanding Number of Shares	Weighted-Average Exercise Price	Aggregate Intrinsic Value	Weighted-Average Remaining Contractual Life (in years)
	(In millions, except share price)			
Balance as of December 30, 2023	3	$ 68.33		
Granted	—	$ 134.27		
Forfeited	—	$ 102.71		
Exercised	(1)	$ 22.17		
Balance as of December 28, 2024	2	$ 89.73	$ 81	3.92
Exercisable December 28, 2024	1	$ 74.61	$ 69	2.83

The total intrinsic value of stock options exercised for 2024, 2023 and 2022 was $86 million, $173 million and $139 million, respectively. As of December 28, 2024, the Company had $41 million of total unrecognized compensation expense related to stock options, which will be recognized over the weighted-average period of 2.71 years.

Time-based RSUs. The weighted-average grant date fair values of time-based RSUs granted during 2024, 2023 and 2022 were $141.95, $106.28 and $92.92 per share, respectively.

The following table summarizes time-based RSU activity and related information:

	Number of Shares (In millions)		Weighted- Average Grant Date Fair Value
Unvested shares as of December 30, 2023	32	$	100.65
Granted	12	$	141.95
Forfeited	(1)	$	107.96
Vested	(13)	$	101.35
Unvested shares as of December 28, 2024	30	$	116.77

The total fair value of time-based RSUs vested during 2024, 2023 and 2022 was $2.0 billion, $1.1 billion and $889 million, respectively. As of December 28, 2024, the Company had $2.6 billion of total unrecognized compensation expense related to time-based RSUs, which will be recognized over the weighted-average period of 2.63 years.

PRSUs. The weighted-average grant date fair values of PRSUs granted during 2024, 2023 and 2022 were $118.98, $134.87 and $121.12, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	52.68% - 53.19%	51.12% - 56.22%	50.65% - 53.51%
Risk-free interest rate	3.82% - 4.41%	4.30% - 4.36%	1.14%- 3.17%
Expected dividends	— %	— %	— %
Expected term (in years)	2.48 - 3.00	2.17 - 3.00	2.07 - 3.07

The Company uses the historical volatility of its common stock and risk-free interest rate based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the PRSUs grant at the date closest to the grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of PRSUs represents the requisite service periods of these PRSUs.

The following table summarizes PRSU activity and related information:

	Number of Shares (In millions)		Weighted-Average Grant Date Fair Value
Unvested shares as of December 30, 2023	2	$	117.65
Granted	1	$	118.98
Forfeited	—	$	132.80
Vested	(1)	$	91.15
Unvested shares as of December 28, 2024	2	$	139.31

The total fair value of PRSUs vested during 2024, 2023 and 2022 was $226 million, $100 million and $254 million, respectively. As of December 28, 2024, the Company had $154 million of total unrecognized compensation expense related to PRSUs, which will be recognized over the weighted-average period of 1.61 years.

ESPP. The weighted-average grant date fair value for the ESPP during 2024, 2023 and 2022 was $43.80, $31.11 and $24.71 per share, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	48.14% - 49.38%	45.74% - 49.40%	58.15% - 63.76%
Risk-free interest rate	4.42% - 5.41%	5.13% - 5.46%	1.43% - 4.52%
Expected dividends	— %	— %	— %
Expected term (in years)	0.50	0.50	0.50

The Company uses the historical volatility of its common stock and the risk-free interest rate based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the ESPP grant at the date closest to the ESPP grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of the ESPP represents the six-month offering period.

During 2024, 2 million shares of common stock were purchased under the ESPP at an average purchase price of $111 resulting in aggregate cash proceeds of $265 million. As of December 28, 2024, the Company had $43 million of total unrecognized compensation expense related to the ESPP, which will be recognized over the weighted-average period of 0.37 years.

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Retirement Benefit Plans

12 Months Ended
Dec. 28, 2024

Retirement Benefits [Abstract]

Retirement Benefit Plans

Retirement Benefit Plans

The Company provides retirement benefit plans in the United States and certain foreign countries. The Company has a 401(k) retirement plan that allows participating employees in the United States to contribute as defined by the plan and subject to Internal Revenue Service limitations. The Company matches 75% of employees’ contributions up to 6% of their eligible compensation. The Company’s contributions to the 401(k) plan for 2024, 2023 and 2022 were approximately $78 million, $70 million and $47 million, respectively.

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Restructuring and Related Activities

12 Months Ended
Dec. 28, 2024

Restructuring and Related Activities [Abstract]

Restructuring, Impairment, and Other Activities Disclosure

Restructuring Charges

In the fourth quarter of 2024, the Company implemented a restructuring plan (the 2024 Restructuring Plan) focused on driving efficiencies and aligning resources with the Company’s largest growth opportunities in the AI and enterprise markets. The 2024 Restructuring Plan will primarily reduce global workforce by approximately 4% of headcount. Restructuring charges are included within the All Other category presented in Note 4 – Segment Reporting. Significant asset impairment charges are discussed in Note 6 - Acquisition-related Intangible Assets and Goodwill. The Company expects actions associated with the 2024 Restructuring Plan to be substantially completed by the end of the first quarter of fiscal year 2025. As of December 28, 2024, $89 million of accrued restructuring charges are recorded within Accrued liabilities of the Company’s Consolidated Balance Sheets.

The following table summarizes activities and components of liabilities related to the 2024 Restructuring Plan:

		Employee severance and benefits		Asset impairment (in millions)		Total
Liability as of December 30, 2023	$	—	$	—	$	—
Current period costs		113		73		186
Cash payments		(24)		—		(24)
Non-cash charges		—		(73)		(73)
Liability as of December 28, 2024	$	89	$	—	$	89

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Income Taxes

12 Months Ended
Dec. 28, 2024

Income Tax Disclosure [Abstract]

Income Taxes

Income Taxes

Income before income taxes consists of the following:

	Year Ended					
		December 28, 2024		December 30, 2023 (In millions)		December 31, 2022
U.S.	$	2,369	$	454	$	2,093
Non-U.S.		(347)		54		(895)
Total pre-tax income including equity income in investee	$	2,022	$	508	$	1,198

The income tax provision (benefit) consists of:

	Year Ended					
		December 28, 2024		December 30, 2023 (In millions)		December 31, 2022
Current:						
U.S. federal	$	1,338	$	496	$	1,191
U.S. state and local		64		27		31
Non-U.S.		142		150		161
Total		1,544		673		1,383
Deferred:						
U.S. federal		(311)		(860)		(1,365)
U.S. state and local		6		(29)		(26)
Non-U.S.		(858)		(130)		(114)
Total		(1,163)		(1,019)		(1,505)
Income tax provision (benefit)	$	381	$	(346)	$	(122)

The table below displays the reconciliation between statutory federal income taxes and the total income tax provision (benefit).

	Year Ended December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Statutory federal income tax expense at 21%	$ 425	$ 107	$ 252
Tax effect from intercompany integration transaction	373	—	—
Foreign rate detriment (benefit)	153	(11)	195
Interest and penalty	136	53	33
State income taxes, net of federal benefit	22	(2)	(3)
Foreign-Derived Intangible Income (FDII) deduction	(275)	(185)	(261)
Research credits	(232)	(169)	(241)
GILTI and other foreign inclusion	(133)	(138)	(96)
Stock-based and non-deductible compensation	(101)	(17)	(6)
Other	13	16	5
Income tax provision (benefit)	$ 381	$ (346)	$ (122)

The Company recorded an income tax provision of $381 million and an income tax benefit of $346 million in 2024 and 2023, respectively, representing effective tax rates of 19% and (68)%, respectively. The increase in income tax provision in 2024 was primarily due to higher pre-tax income and a $373 million tax effect from an intercompany integration transaction.
Beginning in 2022, provisions in the U.S. Tax Cuts and Jobs Act of 2017 require the Company to capitalize and amortize R&D expenditures rather than deducting the costs as incurred. The capitalization resulted in an increase in 2024 and 2023 taxable income which also increased the income eligible for the FDII tax benefit.

As a part of the Xilinx acquisition and as a result of certain employment and operational commitments the Company has made in Singapore, the Company has been granted a Development and Expansion Incentive (DEI) that is effective through 2031. The DEI reduces the local tax on Singapore income from a statutory rate of 17% to 5% through 2031. Due to the current year pre-tax loss in Singapore, the Company did not receive any income tax or earnings per share benefit.

Deferred income taxes reflect the net tax effects of tax carryovers and temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the balances for income tax purposes. Significant components of the Company’s deferred tax assets and liabilities as of December 28, 2024 and December 30, 2023 were as follows:

	December 28, 2024	December 30, 2023
	(In millions)	
Deferred tax assets:		
Capitalized R&D	$ 2,892	$ 1,753
Net operating loss carryovers	962	992
Accruals and reserves not currently deductible	829	574
Federal and state tax credit carryovers	679	660
Foreign R&D and investment tax credits	579	597
Employee benefits not currently deductible	334	302
Lease liability	182	181
Foreign tax credits	77	71
Other	111	96
Total deferred tax assets	6,645	5,226
Less: valuation allowance	(2,136)	(2,124)
Total deferred tax assets, net of valuation allowance	4,509	3,102
Deferred tax liabilities:		
Acquired intangibles	(3,614)	(3,104)
GILTI	(222)	(524)
Right-of-use assets	(182)	(175)
Other	(152)	(135)
Total deferred tax liabilities	(4,170)	(3,938)
Net deferred tax assets (liabilities)	$ 339	$ (836)

During 2024, the Company executed an intercompany integration transaction and remeasured associated deferred taxes, resulting in increases to the deferred tax liability for acquisition-related intangibles and the deferred tax asset for Capitalized R&D, partially offset by a decrease in the deferred tax liability for GILTI.

The movement in the deferred tax valuation allowance was as follows:

	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Balance at beginning of year	$ 2,124	$ 2,078	$ 1,735
Charges to income tax expense and other accounts	9	41	112
Acquisition-related	3	5	231
Balance at end of year	$ 2,136	$ 2,124	$ 2,078

Through the end of fiscal year 2024, the Company continued to maintain a valuation allowance of approximately $2.1 billion for certain federal, state, and foreign tax attributes. The federal valuation allowance maintained is due to limitations under Internal Revenue Code Section 382 or 383, separate return loss year rules, or dual consolidated loss rules. Certain state and foreign valuation allowance maintained is due to lack of sufficient sources of future taxable income.

The Company’s U.S. federal and state net operating losses (NOLs) carryforwards as of December 28, 2024, were $134 million and $362 million, respectively. NOLs may be subject to limitations by the Internal Revenue Code and similar provisions. $27 million of U.S. federal NOLs will expire between 2025 and 2037, and $107 million of federal NOLs have no expiration date. State NOLs will expire at various dates through 2043. The difference between the amount of federal NOLs which are recorded on the Company’s Consolidated Balance Sheets as deferred tax assets and their related valuation allowance, and the amounts reported on the Company’s tax returns are the result of uncertain tax positions the Company has taken for which an income tax reserve has been recorded. The federal tax credits of $12 million will expire at various dates between 2037 and 2042. The state tax return credits of $804 million will expire at various dates between 2025 and 2039, except for the California R&D credit, which does not expire. The Company also has $620 million of credit carryforward in Canada that will expire between 2028 and 2044.

A reconciliation of the Company's gross unrecognized tax benefits was as follows:

	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Balance at beginning of year	$ 1,463	$ 1,361	$ 275
Increases for tax positions taken in the current year	57	53	748
Increases for tax positions taken in prior years	24	57	104
Decreases for tax positions taken in prior years	(18)	(8)	(12)
Increases to tax positions taken in prior years through acquisitions	—	—	252
Decreases for settlements with taxing authorities and statute of limitation lapses	(28)	—	(6)
Balance at end of year	$ 1,498	$ 1,463	$ 1,361

The amount of unrecognized tax benefits that would impact the effective tax rate if recognized was $1.3 billion, $1.3 billion and $1.2 billion as of December 28, 2024, December 30, 2023 and December 31, 2022, respectively. The Company had $298 million, $142 million and $81 million of accrued penalties and interest related to unrecognized tax benefits as of December 28, 2024, December 30, 2023 and December 31, 2022, respectively. As of December 28, 2024 and December 30, 2023, the Company had long-term income tax liabilities related to unrecognized tax benefits of $1.4 billion, recorded under Other long-term liabilities in the Company’s Consolidated Balance Sheets.

The Company is subject to taxation in the U.S. and foreign jurisdictions. Earnings from non-U.S. activities are subject to local country income tax. The material jurisdiction in which the Company is subject to potential examination by the taxing authority is the United States, where tax years from 2008 are open for audit. Pre-acquisition Xilinx U.S. tax returns for fiscal years 2018 and 2019 are currently under audit by the IRS. It is possible the Company may have tax audits close in the next 12 months that could materially change the balance of the uncertain tax benefits; however, the timing of tax audit closures and settlements are highly uncertain.

Under current U.S. tax law, the impact of future distributions of undistributed earnings that are indefinitely reinvested are anticipated to be subject to withholding taxes from local jurisdictions and non-conforming U.S. state jurisdictions. There were no cumulative undistributed earnings that are indefinitely reinvested that could be subject to withholding taxes as of December 28, 2024.

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Other Expense, Net	**12 Months Ended Dec. 28, 2024**
Income Statement Related Disclosures [Abstract]	
Other Expense, Net	Other Income (Expense), Net

The following table summarizes the components of Other income (expense), net:

	Year Ended December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Interest income	$ 182	$ 206	$ 65
Gains (losses) on equity investments, net	2	(1)	(62)
Other income (expense)	(3)	(8)	5
Other income (expense), net	$ 181	$ 197	$ 8

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Commitments and Guarantees	**12 Months Ended Dec. 28, 2024**
Commitments and Contingencies Disclosure [Abstract]	
Commitments and Guarantees	Commitments and Guarantees

Operating Leases

The Company has entered into operating and finance leases for its corporate offices, data centers, research and development facilities and certain equipment. The leases expire at various dates through 2038, some of which include options to extend the lease for up to ten years.

For 2024, 2023 and 2022, the Company recorded $147 million, $127 million and $118 million, respectively, of operating lease expense, including short-term lease expense. For 2024, 2023, and 2022, the Company recorded $83 million, $46 million, and $40 million respectively, of variable lease expense, which primarily included operating expenses and property taxes associated with the usage of facilities under the operating leases. For 2024, 2023, and 2022 cash paid for operating leases included in operating cash flows was $155 million $147 million and $108 million, respectively. The Company’s finance and short-term leases are immaterial to the Company’s consolidated financial statements.

Supplemental information related to leases is as follows:

	December 28, 2024
Weighted-average remaining lease term in years – operating leases	7.28
Weighted-average discount rate – operating leases	4.63 %

Future minimum lease payments under non-cancellable operating lease liabilities as of December 28, 2024 are as follows:

Year	(In millions)
2025	$ 134
2026	135
2027	94
2028	66
2029	60
2030 and thereafter	235
Total minimum lease payments	724
Less: interest	(124)
Present value of net minimum lease payments	600
Less: current portion	(109)
Total long-term operating lease liabilities	$ 491

Certain other operating leases contain provisions for escalating lease payments subject to changes in the consumer price index.

Commitments

The Company's purchase commitments primarily include the Company's obligations to purchase wafers and substrates from third parties and future payments related to certain software and technology licenses and IP licenses. Purchase commitments include obligations made under noncancellable purchase orders and contractual obligations requiring minimum purchases or for which cancellation would lead to significant penalties.

Total future unconditional purchase commitments as of December 28, 2024 were as follows:

Year	(In millions)
2025	$ 4,501
2026	274
2027	46
2028	46
2029	45
2030 and thereafter	56
Total unconditional purchase commitments	$ 4,968

On an ongoing basis, the Company works with suppliers on the timing of payments and deliveries of purchase commitments, taking into account business conditions.

Warranties and Indemnities

The Company generally warrants that its products sold to its customers will conform to its approved specifications and be free from defects in material and workmanship under normal use and conditions for one year. The Company may also offer, in general, one to three-year limited warranties based on product type and negotiated warranty terms with certain customers. The Company accrues warranty costs to Cost of sales at the time of sale of warranted products.

Changes in the Company's estimated liability for product warranty during 2024 and 2023 are as follows:

	December 28, 2024	December 30, 2023
	(In millions)	
Beginning balance	$ 85	$ 65
Provisions during the period	213	126
Settlements during the period	(110)	(106)
Ending balance	$ 188	$ 85

In addition to product warranties, the Company from time to time in its normal course of business indemnifies other parties with whom it enters into contractual relationships, including customers, lessors and parties to other transactions with the Company, with respect to certain matters. In these limited matters, the Company has agreed to hold certain third parties harmless against specific types of claims or losses such as those arising from a breach of representations or covenants, third-party claims that the Company's products when used for their intended purpose(s) and under specific conditions infringe the intellectual property rights of a third party, or other specified claims made against the indemnified party. It is not possible to determine the maximum potential amount of liability under these indemnification obligations due to the unique facts and circumstances that are likely to be involved in each particular claim and indemnification provision. Historically, payments made by the Company under these obligations have not been material. In addition, the impact from changes in estimates for pre-existing warranties has been immaterial.

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Contingencies	**12 Months Ended** **Dec. 28, 2024**
Loss Contingency [Abstract]	
Contingencies	Contingencies *Litigation and Other Legal Matters* As of December 28, 2024, there were no material legal proceedings. The Company is a defendant or plaintiff in various actions that arose in the normal course of business. With respect to these matters, based on management's current knowledge, the Company believes that the amount or range of reasonably possible loss, if any, will not, either individually or in the aggregate, have a material adverse effect on the Company's financial condition, results of operations, or cash flows.

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Pay vs Performance Disclosure - USD ($) $ in Millions	**12 Months Ended** **Dec. 28, 2024**	**Dec. 30, 2023**	**Dec. 31, 2022**
Pay vs Performance Disclosure			
Net income	$ 1,641	$ 854	$ 1,320

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Insider Trading Arrangements	**3 Months Ended** **Dec. 28, 2024** **shares**	**12 Months Ended** **Dec. 28, 2024** **shares**
Individual Counterparty [Member]		
Trading Arrangements, by Individual		
Name	Lisa Su	
Lisa Su [Member]		
Trading Arrangements, by Individual		
Title		Chair, President and Chief Executive Officer
Rule 10b5-1 Arrangement Adopted	true	
Adoption Date	December 2, 2024	
Expiration Date	December 10, 2025	
Aggregate Available	750,000	750,000
Mark Papermaster [Member]		
Trading Arrangements, by Individual		
Name	Mark Papermaster	
Title		Executive Vice President, Chief Technology Officer
Rule 10b5-1 Arrangement Adopted	true	
Adoption Date	November 5, 2024	
Expiration Date	December 31, 2025	
Aggregate Available	173,006	173,006

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Insider Trading Policies and Procedures	**12 Months Ended** **Dec. 28, 2024**
Insider Trading Policies and Procedures [Line Items]	
Insider Trading Policies and Procedures Adopted	true

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Summary of Significant Accounting Policies (Policies)	**12 Months Ended** **Dec. 28, 2024**	**Dec. 30, 2023**
Accounting Policies [Abstract]		
Fiscal Year	*Fiscal Year.* The Company uses a 52- or 53-week fiscal year ending on the last Saturday in December. Fiscal years 2024, 2023 and 2022 ended on December 28, 2024, December 30, 2023 and December 31, 2022, respectively. Fiscal years 2024 and 2023 each consisted of 52 weeks, while fiscal year 2022 consisted of 53 weeks.	
Principles of Consolidation	*Principles of Consolidation.* The Consolidated Financial Statements include the Company's accounts and those of its wholly-owned subsidiaries. Upon consolidation, all inter-company accounts and transactions have been eliminated.	
Reclassification		*Reclassification and Change in Presentation.* Unbilled receivables of $1.1 billion as of December 30, 2023 were reclassified from within Accounts

receivable, net to within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets and in the Statements of Cash Flows to conform to current period presentation.

Use of Estimates

Use of Estimates. The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results are likely to differ from those estimates, and such differences may be material to the financial statements. Areas where management uses subjective judgment include, but are not limited to, revenue allowances, inventory valuation, valuation of goodwill and long-lived and intangible assets, and income taxes.

Revenue Recognition

Revenue Recognition

Revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the Company expects to receive in exchange for those goods or services. Sales, value-added, and other taxes collected concurrently with the provision of goods or services are excluded from revenue. Shipping and handling costs associated with product sales are included in cost of sales. Substantially all of the Company’s revenue is derived from product sales.

Customers are generally required to pay for products and services within the Company’s standard contractual terms, which are typically net 30 to 60 days. The Company has determined that it does not have significant financing components in its contracts with customers.

Non-custom products

The Company transfers control and recognizes revenue when non-custom products are shipped to customers, which includes original equipment manufacturers (OEM) and distributors, in accordance with the shipping terms of the sale. Certain OEMs may be entitled to rights of return and rebates under OEM agreements. The Company also sells to distributors under terms allowing the majority of distributors certain rights of return and price protection on unsold merchandise held by them. The Company estimates the amount of variable consideration under OEM and distributor arrangements and, accordingly, records a provision for product returns, allowances for price protection and rebates based on actual historical experience and any known events.

The Company offers incentive programs to certain customers, including cooperative advertising, marketing promotions, volume-based incentives and special pricing arrangements. Where funds provided for such programs can be estimated, the Company recognizes a reduction to revenue at the time the related revenue is recognized; otherwise, the Company recognizes such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where the Company reimburses a customer for a portion of the customer’s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition.

Constraints of variable consideration have not been material.

Custom products

Custom products, which are primarily associated with the Company’s Gaming segment, are sold under non-cancellable purchases orders, for which the Company has an enforceable right to payment, and which have no alternative use to the Company at contract inception, are recognized as revenue, over the time of production of the products by the Company. The Company utilizes a cost-based input method, calculated as cost incurred plus estimated margin, to determine the amount of revenue to recognize for in-process or completed customer orders at a reporting date. The Company believes that a cost-based input method is the most appropriate manner to measure how the Company satisfies its performance obligations to customers because the effort and costs incurred best depict the Company’s satisfaction of its performance obligation.

Sales of custom products are not subject to a right of return and arrangements generally involve a single performance obligation. Generally, there are no variable consideration estimates associated with custom products.

Development and intellectual property licensing agreements

From time to time, the Company may enter into arrangements with customers that combine the provision of development services and a license to the right to use the Company’s IP. These arrangements are deemed to be single or multiple performance obligations based upon the nature of the arrangements. Revenue is recognized upon the transfer of control, over time or at a point in time, depending on the nature of the arrangements. The Company evaluates whether the licensing component is distinct. A licensing component is distinct if it is both (i) capable of being distinct and (ii) distinct in the context of the arrangement. If the license is not distinct, it is combined with the development services as a single performance obligation and recognized over time. If the license is distinct, revenue is recognized at a point in time when the customer has the ability to benefit from the license.

From time to time, the Company may enter into arrangements with customers that solely involve the sale or licensing of its patents or IP. Generally, there are no performance obligations beyond transferring the designated license to the Company’s patents or IP. Accordingly, revenue is recognized at a point in time when the customer has the ability to benefit from the license.

There are no variable consideration estimates associated with either combined development and IP arrangements or for standalone arrangements involving either the sale or licensing of IP.

Inventories

Inventories

The Company values inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. In determining excess or obsolescence reserves for its products, the Company considers assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for its products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, the Company considers assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. The Company fully reserves for inventories and non-cancellable purchase orders for inventory deemed obsolete. The Company performs periodic reviews of inventory items to identify excess inventories on hand by comparing on-hand balances and non-cancellable purchase orders to anticipated usage using recent historical activity as well as anticipated or forecasted demand. If estimates of customer demand diminish further or market conditions become less favorable than those projected by the Company, additional inventory carrying value adjustments may be required.

Goodwill

Goodwill

The Company performs its goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment.

The Company has the option to first perform qualitative testing to determine if it is more likely than not that the fair value of a reporting unit exceeds its carrying amount. Qualitative factors include industry and market considerations, overall financial performance, share price trends and market capitalization and Company-specific events. If the Company concludes it is more likely than not that the fair value of a reporting unit exceeds its carrying amount, the Company does not proceed to perform a quantitative impairment test.

If the Company concludes it is more likely than not that the fair value of a reporting unit is less than its carrying value or elects to bypass the qualitative test, a quantitative goodwill impairment test will be performed by comparing the fair value of each reporting unit to its carrying value. If a reporting unit’s fair value is determined to be less than its carrying value, a goodwill impairment charge is recognized for the amount by which the reporting unit’s fair value is less than its carrying value, not to exceed the total amount of goodwill allocated to that reporting unit.

Contingencies

Contingencies

From time to time the Company is a defendant or plaintiff in various legal actions that arise in the normal course of business. The Company is also subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which it conducts business. In addition, the Company is a party to environmental matters including local, regional, state and federal government clean-up activities at or near locations where the Company currently or has in the past conducted business. The Company is required to assess the likelihood of any adverse judgments or outcomes to these matters as well as potential ranges of reasonably possible losses. A determination of the amount of reserves required for these commitments and contingencies that would be charged to earnings, if any, includes assessing the probability of adverse outcomes and estimating the amount of potential losses. The required reserves, if any, may change due to new developments in each matter or changes in circumstances such as a change in settlement strategy.

Cash and Cash Equivalents, Unrestricted Cash and Cash Equivalents, Policy

Cash Equivalents

Cash equivalents consist of financial instruments that are readily convertible into cash and have original maturities of three months or less at the time of purchase.

Investments in Available-for-sale Debt Securities

Investments

Available-for-Sale Debt Securities. Investments in marketable debt securities are available for use in current operations, including those with maturity dates beyond one year, and are classified within current assets on the Consolidated Balance Sheets. Available-for-sale debt securities are recorded at fair value, with the change in unrealized gains and losses, net of tax, reported as a separate component on the Consolidated Statements of Comprehensive Income until realized. Fair value is determined based on quoted market rates when observable or utilizing data points that are observable. Securities with an amortized cost basis in excess of estimated fair value are assessed to determine what amount of the excess, if any, is caused by expected credit losses. Expected credit losses on securities are recognized in other income (expense) on the Consolidated Statements of Operations, and any remaining unrealized losses, net of tax, are included in Accumulated other comprehensive income (loss), in Consolidated Statements of Stockholders’ Equity. The Company uses the first-in, first-out method as basis of the cost of securities sold.

Strategic Non-marketable Equity Securities. The Company’s investments in non-marketable securities of privately-held companies are held for long-term strategic purposes and are accounted for under the measurement alternative, defined as cost, less impairments, adjusted for subsequent observable price changes and are periodically assessed for impairment when events or circumstances indicate that a decline in value may have occurred. The Company's periodic assessment of impairment is made by considering available evidence, including the investee’s general market and industry conditions and product development status. The Company also assesses the investee’s ability to meet business milestones, its financial condition, and near-term prospects, including the rate at which the investee is using its cash, the investee’s need for possible additional funding at a lower valuation and any bona fide offer to purchase the investee.

Accounts Receivables

Accounts Receivable

Accounts receivable are primarily comprised of trade receivables presented net of rebates, price protection and an allowance for credit loss. The Company manages its exposure to customer credit risk through credit limits, credit lines, ongoing monitoring procedures and credit approvals. While the Company maintains an allowance for customer credit losses, its accounts receivable write-offs have historically not been significant.

Unbilled Receivables

Unbilled receivables are recorded within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets. Unbilled receivables primarily represent work completed on development services and on custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, recognized as revenue but not yet invoiced to customers.

Property and Equipment

Property and Equipment

Property and equipment are stated at cost. Depreciation and amortization are provided on a straight-line basis over the estimated useful lives of two to 15 years for equipment, 34 to 44 years for buildings, and leasehold improvements are measured by the shorter of the remaining terms of the leases or the estimated useful economic lives of the improvements.

Leases

Leases

Operating and finance leases are recorded as right-of-use (ROU) assets and lease liabilities on the Company’s Consolidated Balance Sheets. ROU assets represent the Company’s right to use an underlying asset for the lease term and lease liabilities represent the Company’s obligation to make lease payments arising from the lease. Operating and finance lease ROU assets and liabilities are initially recognized based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses the implicit interest rate if readily determinable. When the implicit interest rate is not readily determinable, the Company uses its incremental borrowing rate, which is based on its collateralized borrowing capabilities over a similar term of the lease payments. When using the incremental borrowing rate, the Company utilizes the consolidated group incremental borrowing rate. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term. The Company has elected the accounting policy to not recognize ROU assets and lease liabilities that arise from short-term (12 months or less) leases for any class of underlying asset. Operating leases are included in operating lease ROU assets, other current liabilities, and long-term operating lease liabilities on the Company’s Consolidated Balance Sheets. The Company’s finance leases are immaterial.

Foreign Currency Translation/Transactions

Foreign Currency Translation/Transactions

The functional currency of the Company’s foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in non-U.S. dollars have been remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and historical exchange rates for non-monetary assets and liabilities. Non-U.S. dollar denominated transactions have been remeasured at average exchange rates in effect during each period, except for those cost of sales and expense transactions related to non-monetary balance sheet amounts which have been remeasured at historical exchange rates. The gains or losses from foreign currency remeasurement are included in earnings.

Marketing and Advertising Expenses

Marketing and Advertising Expenses

Advertising costs are expensed as incurred. In addition, the Company’s marketing and advertising expenses include certain cooperative advertising funding obligations under customer incentive programs, which costs are recorded upon agreement with customers and vendor partners. Cooperative advertising expenses are recorded as marketing, general and administrative expense to the extent the cash paid does not exceed the estimated fair value of the advertising benefit received. Any excess of cash paid over the estimated fair value of the advertising benefit received is recorded as a reduction of revenue. Total marketing and advertising expenses for 2024, 2023 and 2022 were approximately $1.2 billion, $695 million and $683 million, respectively.

Stock-Based Compensation

Stock-Based Compensation

The Company estimates stock-based compensation cost for stock options at the grant date based on the option’s fair value as calculated by the Black-Scholes model. For time-based restricted stock units (RSUs), fair value is based on the closing price of the Company’s common stock on the grant date. The Company estimates the grant-date fair value of RSUs that involve a market condition using the Monte Carlo simulation model. The Company estimates the grant-date fair value of stock to be issued under the Company’s Employee Stock Purchase plan (ESPP) using the Black-Scholes model. Compensation expense is recognized over the vesting period of the applicable award using the straight-line method, except for the compensation expense related to RSUs with performance or market conditions (PRSUs), which are recognized ratably for each vesting tranche from the service inception date to the end of the requisite service period. Forfeiture rates are estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.

Income Taxes

Income Taxes

The Company computes the provision for income taxes using the liability method and recognizes deferred tax assets and liabilities for temporary differences between financial statement and income tax bases of assets and liabilities, as well as for operating loss and tax credit carryforwards. The Company measures deferred tax assets and liabilities using tax rates applicable to taxable income in effect for the years in which those tax assets are expected to be realized or settled and provides a valuation allowance against deferred tax assets when it cannot conclude that it is more likely than not that some or all deferred tax assets will be realized. The assessment requires significant judgment and is performed in each of the applicable taxing jurisdictions. In addition, the Company recognizes tax benefits from uncertain tax positions only if it is more likely than not that they will be sustained, based on the technical merits of the positions, on examination by the jurisdictional tax authority. Interest and penalties related to income taxes are recorded within the Income tax provision (benefit) line in the Company’s Consolidated Statements of Operations. The Company is subject to the Global Intangible Low Taxed Income (GILTI) tax in the U.S. and recognizes deferred taxes for temporary basis differences that are expected to reverse as GILTI tax in future years.

Recently Adopted and Issued Accounting Standards

Recently Issued Accounting Standard Updates Adopted

In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company’s fiscal year 2024 and interim periods in fiscal year 2025. The Company adopted this standard in the fourth quarter of 2024. See Note 4 - Segment Reporting for further information.

Recently Issued Accounting Standard Updates Not Yet Adopted

In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company’s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.

In November 2024, the FASB issued ASU 2024-03 Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses. The new guidance is intended to provide investors enhanced disclosures and requires public companies to disaggregate key expense types. The update is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The disclosure updates are required to be applied prospectively with the option for retrospective application. The Company is currently evaluating the impact of this new standard on its Consolidated Financial Statements.

Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements

Fair Value Measurement, Policy

Fair Value Measurements

The Company’s financial instruments are measured and recorded at fair value on a recurring basis, except for non-marketable equity investments in privately-held companies, which are generally accounted for under the measurement alternative.

Fair Value Hierarchy

The fair value framework requires the categorization of assets and liabilities into three levels based upon the assumptions (inputs) used to price the assets or liabilities. The guidance for fair value measurements requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:

Level 1 — Quoted (unadjusted) prices in active markets for identical assets or liabilities.

Level 2 — Observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.

Level 3 — Unobservable inputs to the valuation methodology that are supported by little or no market activity and that are significant to the measurement of the fair value of the assets or liabilities. Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques, as well as significant management judgment or estimation.

Business Combinations Policy

Business Combinations

The Company is required to use the acquisition method of accounting for business combinations. The acquisition method of accounting requires the Company to allocate the purchase consideration to the assets acquired and liabilities assumed from the acquiree based on their respective fair values as of the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired and liabilities assumed is recorded as goodwill. When determining the fair values of assets acquired and liabilities assumed, management makes significant estimates and assumptions, especially with respect to intangible assets. Critical estimates in valuing intangible assets include, but are not limited to, expected future revenue growth rates and margins, future changes in technology, time to recreate customer relationships, useful lives, and discount rates. Fair value estimates are based on the assumptions that management believes a market participant would use in pricing the asset or liability. These estimates are inherently uncertain and, therefore, actual results may differ from the estimates made.

Impairment or Disposal of Long-Lived Assets, Including Intangible Assets, Policy

Long-Lived and Intangible Assets

Long-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows.

When indicators of impairment exist and assets are held for use, the Company estimates future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals. Factors affecting impairment of assets held for use include the ability of the specific assets to generate separately identifiable positive cash flows.

When assets are removed from operations and held for sale, the Company estimates impairment losses as the excess of the carrying value of the assets over their fair value. Market conditions are among the factors affecting impairment of assets held for sale. Changes in any of these factors could necessitate impairment recognition in future periods for assets held for use or assets held for sale.

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Supplemental Balance Sheet Information (Tables)	**12 Months Ended** **Dec. 28, 2024**
Balance Sheet Related Disclosures [Abstract]	
Inventories, net	

Inventories	December 28, 2024	December 30, 2023
	(In millions)	
Raw materials	$ 351	$ 279
Work in process	4,289	3,260
Finished goods	1,094	812
Total inventories	$ 5,734	$ 4,351

Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure

Prepaid Expenses and Other Current Assets	December 28, 2024	December 30, 2023
	(In millions)	
Unbilled receivables	$ 628	$ 1,053
Other	1,250	1,259
Total prepaid expenses and other current assets	$ 1,878	$ 2,312

Property and Equipment, net

Property and Equipment, net	December 28, 2024	December 30, 2023
	(In millions)	
Land, building and leasehold improvements	$ 853	$ 821
Equipment	2,798	2,346
Construction in progress	324	209
Property and equipment, gross	3,975	3,376
Accumulated depreciation	(2,173)	(1,787)
Total property and equipment, net	$ 1,802	$ 1,589

Accrued Liabilities

Accrued Liabilities	December 28, 2024	December 30, 2023
	(In millions)	
Accrued marketing programs	$ 1,063	$ 827
Accrued compensation and benefits	1,174	884
Customer-related liabilities	1,349	788
Other accrued and current liabilities	674	583
Total accrued liabilities	$ 4,260	$ 3,082

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Segment Reporting (Tables)

12 Months Ended

Dec. 28, 2024

Segment Reporting [Abstract]

Schedule of Segment Reporting Information, by Segment

The following table provides a summary of net revenue and operating income (loss) by segment for 2024, 2023 and 2022.

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Net revenue:			
Data Center	$ 12,579	$ 6,496	$ 6,043
Client	7,054	4,651	6,201
Gaming	2,595	6,212	6,805
Embedded	3,557	5,321	4,552
Total net revenue	$ 25,785	$ 22,680	$ 23,601
Cost of sales and operating expenses:			
Data Center	$ 9,097	$ 5,229	$ 4,195
Client	6,157	4,697	5,011
Gaming	2,305	5,241	5,852
Embedded	2,136	2,693	2,300
All Other	4,190	4,419	4,979
Total cost of sales and operating expenses	$ 23,885	$ 22,279	$ 22,337
Operating income (loss):			
Data Center	$ 3,482	$ 1,267	$ 1,848
Client	897	(46)	1,190
Gaming	290	971	953
Embedded	1,421	2,628	2,252
All Other	(4,190)	(4,419)	(4,979)
Total operating income	$ 1,900	$ 401	$ 1,264

Segment cost of sales and operating expenses primarily include material, external manufacturing, labor and marketing and advertising costs, and exclude expenses and credits that are recorded within the All Other category.

The following table provides items included in All Other category:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Operating loss:			
Amortization of acquisition-related intangibles	$ 2,394	$ 2,811	$ 3,548
Stock-based compensation expense	1,407	1,384	1,081
Acquisition-related and other costs	186	258	452
Restructuring charges	186	—	—
Inventory loss at contract manufacturer	65	—	—
Licensing gain	(48)	(34)	(102)
Total operating loss	$ 4,190	$ 4,419	$ 4,979

Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area

The following table summarizes sales to external customers by geographic regions based on billing location of the customer:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
United States	8,693	7,837	8,049
China (including Hong Kong)	6,231	3,417	5,207
Singapore	3,614	2,231	1,380
Taiwan	3,301	1,841	2,369
Japan	1,767	4,629	4,177
Europe	1,625	2,030	1,773
Other regions	554	695	646
Total sales to external customers	$ 25,785	$ 22,680	$ 23,601

Schedule of Revenue by Major Customers by Reporting Segments

The following table summarizes sales to a major customer that accounted for at least 10% of the Company's consolidated net revenue for the respective years:

		Year Ended		
	Segment	December 28, 2024	December 30, 2023	December 31, 2022
Customer A	Gaming	*	18 %	16 %

* Less than 10%

Summary of Property and Equipment by Geographic region

The following table summarizes Property and equipment, net by geographic areas:

	December 28, 2024	December 30, 2023
	(In millions)	
United States	$ 1,312	$ 1,143
Singapore	140	144
Canada	104	84
India	100	86
Ireland	46	46
China (including Hong Kong)	38	42
Other countries	62	44
Total property and equipment, net	$ 1,802	$ 1,589

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Business Combinations and Asset Acquisitions (Tables)

12 Months Ended

Dec. 28, 2024

Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]

Schedule of Finite-Lived Intangible Assets, Future Amortization Expense

Based on the carrying value of acquisition-related intangibles recorded as of December 28, 2024, and assuming no subsequent impairment of the underlying assets, the estimated annual amortization expense for acquisition-related intangibles is expected to be as follows:

Fiscal Year	(In millions)
2025	$ 2,225
2026	2,111
2027	1,993
2028	1,885
2029	1,659
2030 and thereafter	8,895
Total	$ 18,768

Schedule of Goodwill

	December 31, 2022	Acquisitions	December 30, 2023	Acquisitions	December 28, 2024
	(In millions)			(In millions)	
Data Center	$ 2,884	$ 58	$ 2,942	$ 461	$ 3,403
Client	—	18	18	108	126
Gaming	238	—	238	—	238
Embedded	21,055	9	21,064	8	21,072
Total	$ 24,177	$ 85	$ 24,262	$ 577	$ 24,839

During the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units.

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Intangible Assets, Goodwill and Other (Tables)

12 Months Ended

Dec. 28, 2024

Goodwill and Intangible Assets Disclosure [Abstract]

Schedule of Acquired Finite-Lived Intangible Assets by Major Class

	December 28, 2024			December 30, 2023		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
		(In millions)			(In millions)	
Developed technology	$ 13,408	$ (2,529)	$ 10,879	$ 13,390	$ (1,583)	$ 11,807
Customer relationships	12,324	(5,124)	7,200	12,324	(3,755)	8,569
Customer backlog	809	(809)	—	809	(809)	—
Corporate trade name	65	(65)	—	65	(65)	—
Product trademarks	914	(225)	689	914	(147)	767
Intangible assets subject to amortization	27,520	(8,752)	18,768	27,502	(6,359)	21,143
In-process Research and Development (IPR&D) not subject to amortization	162	—	162	220	—	220
Total acquisition-related intangible assets	$ 27,682	$ (8,752)	$ 18,930	$ 27,722	$ (6,359)	$ 21,363

Schedule of Goodwill

	December 31, 2022	Acquisitions	December 30, 2023	Acquisitions	December 28, 2024
	(In millions)			(In millions)	
Data Center	$ 2,884	$ 58	$ 2,942	$ 461	$ 3,403
Client	—	18	18	108	126
Gaming	238	—	238	—	238
Embedded	21,055	9	21,064	8	21,072
Total	$ 24,177	$ 85	$ 24,262	$ 577	$ 24,839

During the fourth quarter of fiscal years 2024 and 2023, the Company conducted its annual qualitative impairment tests of goodwill and concluded that there was no goodwill impairment with respect to its reporting units.

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Debt and Revolving Credit Facility (Tables)

12 Months Ended

Dec. 28, 2024

Debt Disclosure [Abstract]

Schedule of Debt and Other Obligations

The Company's total debt as of December 28, 2024 and December 30, 2023 consisted of:

	December 28, 2024	December 30, 2023
	(In millions)	
2.950% Senior Notes Due 2024 (2.950% Notes)	$ —	$ 750
2.375% Senior Notes Due 2030 (2.375% Notes)	750	750
3.924% Senior Notes Due 2032 (3.924% Notes)	500	500
4.393% Senior Notes Due 2052 (4.393% Notes)	500	500
Total debt (principal amount)	1,750	2,500
Unamortized debt discount and issuance costs	(29)	(32)
Total debt (net)	1,721	2,468
Less: current portion of long-term debt and related unamortized debt premium and issuance costs	—	(751)
Total long-term debt	$ 1,721	$ 1,717

Schedule of Future Payments on Debt

As of December 28, 2024, the Company's future debt payment obligations were as follows:

Year	Term Debt (Principal only) (In millions)
2025 - 2029	—
2030 and thereafter	1,750
Total	$ 1,750

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Financial Instruments (Tables) - USD ($) $ in Millions

12 Months Ended

Dec. 28, 2024

Dec. 30, 2023

Schedule of Investments [Line Items]

Financial Instruments Not Recorded at Fair Value on a Recurring Basis

The carrying amounts and estimated fair values of the Company's long-term debt are as follows:

	December 28, 2024		December 30, 2023	
	Carrying Amount	Estimated Fair Value	Carrying Amount	Estimated Fair Value
	(In millions)		(In millions)	
Current portion of long-term debt, net	$ —	$ —	$ 751	$ 741
Long-term debt, net of current portion	$ 1,721	$ 1,543	$ 1,717	$ 1,630

Fair Value, by Balance Sheet Grouping [Table Text Block]

Financial Instruments Recorded at Fair Value on a Recurring Basis

	December 28, 2024				December 30, 2023		
(In millions)	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Total
Cash equivalents							
Money market funds	$ 1,496	$ —	$ —	$ 1,496	$ 969	$ —	$ 969
Corporate debt securities	—	806	—	806	—	753	753
U.S. government and agency securities	130	—	—	130	1,252	—	1,252
Non-U.S. government and agency securities	—	116	—	116	—	135	135
Time deposits and certificates of deposits	—	107	—	107	—	205	205
Short-term investments							
Corporate debt securities	—	814	—	814	—	506	506
Time deposits and certificates of deposits	—	10	—	10	—	9	9
Asset-backed and mortgage-backed securities	—	28	—	28	—	34	34
U.S. government and agency securities	332	82	—	414	1,209	28	1,237
Non-U.S. government and agency securities	—	79	—	79	—	54	54
Other non-current assets							
Time deposits and certificates of deposits	—	1	—	1	—	1	1
Deferred compensation plan and other investments	197	—	25	222	133	—	133
Total assets measured at fair value	$ 2,155	$ 2,043	$ 25	$ 4,223	$ 3,563	$ 1,725	$ 5,288

Investments Classified by Contractual Maturity Date

The contractual maturities of investments classified as available-for-sale are as follows:

	December 28, 2024		December 30, 2023	
	Amortized Cost	Fair Value	Amortized Cost	Fair Value
	(In millions)		(In millions)	
Due within 1 year	$ 2,073	$ 2,073	$ 3,792	$ 3,792
Due in 1 year through 5 years	406	405	361	364
Due in 5 years and later	27	26	32	30
	$ 2,506	$ 2,504	$ 4,185	$ 4,186

Investment Holdings, Schedule of Investments

The following is a summary of cash equivalents and short-term investments:

	December 28, 2024				December 30, 2023			
	Cost/ Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Estimated Fair Value	Cost/ Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Estimated Fair Value
	(in millions)				(in millions)			
Asset-backed and mortgage-backed securities	$ 30	$ —	$ (2)	$ 28	$ 35	$ —	$ (2)	$ 33
Corporate debt securities	1,621	—	(1)	1,620	1,259	—	—	1,259
Money market funds	1,496	—	—	1,496	969	—	—	969
Time deposits and certificates of deposits	117	—	—	117	214	—	—	214
U.S. government and agency securities	544	—	—	544	2,487	3	—	2,490
Non-U.S. government and agency securities	195	—	—	195	189	—	—	189
	$ 4,003	$ —	$ (3)	$ 4,000	$ 5,153	$ 3	$ (2)	$ 5,154

Fair Value, Recurring		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	$ 4,223	$ 5,288
Level 2		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	2,043	1,725
Level 1		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	2,155	3,563
Short-term Investments | Fair Value, Recurring | Commercial Paper		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	10	9
Short-term Investments | Level 2 | Fair Value, Recurring | Commercial Paper		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Level 2 | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	10	9
Short-term Investments | Level 1 | Fair Value, Recurring | Commercial Paper		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Level 1 | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Other Noncurrent Assets | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Level 2 | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Level 1 | Fair Value, Recurring | Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	$ 0	$ 0

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Earnings Per Share (Tables)	**12 Months Ended Dec. 28, 2024**
Earnings Per Share [Abstract]	
Components of basic and diluted income (loss) per share	The following table sets forth the components of basic and diluted earnings per share:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions, except per share amounts)		
Numerator			
Net income for basic earnings per share	$ 1,641	$ 854	$ 1,320
Denominator			
Basic weighted-average shares	1,620	1,614	1,561
Effect of potentially dilutive shares from employee equity plans	17	11	10
Diluted weighted-average shares	1,637	1,625	1,571
Earnings per share:			
Basic	$ 1.01	$ 0.53	$ 0.85
Diluted	$ 1.00	$ 0.53	$ 0.84

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Common Stock and Stock-Based Incentive Compensation Plans (Tables)	**12 Months Ended Dec. 28, 2024**
Share-Based Payment Arrangement [Abstract]	
Schedule of Common Shares Outstanding	Shares of common stock outstanding were as follows:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Balance, beginning of period	1,616	1,612	1,207
Common stock issued in the acquisition of Xilinx	—	—	429
Common stock issued under employee equity plans	17	17	17
Repurchases of common stock	(6)	(10)	(36)
Common stock repurchases for tax withholding on equity awards	(5)	(4)	(5)
Issuance of common stock upon warrant exercise	—	1	—
Balance, end of period	1,622	1,616	1,612

Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs	Stock-based compensation expense was allocated in the Company’s Consolidated Statements of Operations as follows:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
	(In millions)		
Cost of sales	$ 21	$ 30	$ 29
Research and development	1,079	1,002	697
Marketing, general, and administrative	307	352	355
Total stock-based compensation expense before income taxes	1,407	1,384	1,081
Income tax benefit	(251)	(249)	(179)
Total stock-based compensation expense, net of income taxes	$ 1,156	$ 1,135	$ 902

Schedule of Share-based Payment Award, Stock Options, Valuation Assumptions	The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was $68.38, $53.72 and $44.35 per share, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	54.34 %	52.36% - 52.42%	51.28 %
Risk-free interest rate	3.80 %	3.93% - 4.11%	3.00 %
Expected dividends	— %	— %	— %
Expected life (in years)	4.98	4.96 - 5.04	4.75

The weighted-average grant date fair values of PRSUs granted during 2024, 2023 and 2022 were $118.98, $134.87 and $121.12, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	52.68% - 53.19%	51.12% - 56.22%	50.65% - 53.51%
Risk-free interest rate	3.82% - 4.41%	4.30% - 4.36%	1.14%- 3.17%
Expected dividends	— %	— %	— %
Expected term (in years)	2.48 - 3.00	2.17 - 3.00	2.07 - 3.07

[Schedule of Share-based Compensation, Stock Options, Activity]

The following table summarizes stock option activity and related information:

	Outstanding Number of Shares	Weighted-Average Exercise Price	Aggregate Intrinsic Value	Weighted-Average Remaining Contractual Life (in years)
	(In millions, except share price)			
Balance as of December 30, 2023	3	$ 68.33		
Granted	—	$ 134.27		
Forfeited	—	$ 102.71		
Exercised	(1)	$ 22.17		
Balance as of December 28, 2024	2	$ 89.73	$ 81	3.92
Exercisable December 28, 2024	1	$ 74.61	$ 69	2.83

[Schedule of Share-based Compensation, Restricted Stock Units, Activity]

The following table summarizes time-based RSU activity and related information:

	Number of Shares	Weighted- Average Grant Date Fair Value
	(In millions)	
Unvested shares as of December 30, 2023	32	$ 100.65
Granted	12	$ 141.95
Forfeited	(1)	$ 107.96
Vested	(13)	$ 101.35
Unvested shares as of December 28, 2024	30	$ 116.77

[Schedule of Nonvested Performance-based Units Activity]

The following table summarizes PRSU activity and related information:

	Number of Shares	Weighted-Average Grant Date Fair Value
	(In millions)	
Unvested shares as of December 30, 2023	2	$ 117.65
Granted	1	$ 118.98
Forfeited	—	$ 132.80
Vested	(1)	$ 91.15
Unvested shares as of December 28, 2024	2	$ 139.31

[Schedule of ESPP]

The weighted-average grant date fair value for the ESPP during 2024, 2023 and 2022 was $43.80, $31.11 and $24.71 per share, respectively, using the following assumptions:

	December 28, 2024	December 30, 2023	December 31, 2022
Expected volatility	48.14% - 49.38%	45.74% - 49.40%	58.15% - 63.76%
Risk-free interest rate	4.42% - 5.41%	5.13% - 5.46%	1.43% - 4.52%
Expected dividends	— %	— %	— %
Expected term (in years)	0.50	0.50	0.50

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Restructuring and Related Activities (Tables)

12 Months Ended

Dec. 28, 2024

[Restructuring and Related Activities [Abstract]]

[Schedule of Restructuring Reserve by Type of Cost]

	Employee severance and benefits	Asset impairment	Total
		(in millions)	
Liability as of December 30, 2023	$ —	$ —	$ —
Current period costs	113	73	186
Cash payments	(24)	—	(24)
Non-cash charges	—	(73)	(73)
Liability as of December 28, 2024	$ 89	$ —	$ 89

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Income Taxes (Tables)

12 Months Ended

Dec. 28, 2024

[Income Tax Disclosure [Abstract]]

[Schedule of Loss before Income Tax]

Income before income taxes consists of the following:

	Year Ended December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
U.S.	$ 2,369	$ 454	$ 2,093
Non-U.S.	(347)	54	(895)
Total pre-tax income including equity income in investee	$ 2,022	$ 508	$ 1,198

[Provision (Benefit) for Income Taxes]

The income tax provision (benefit) consists of:

	Year Ended December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Current:			
U.S. federal	$ 1,338	$ 496	$ 1,191
U.S. state and local	64	27	31
Non-U.S.	142	150	161
Total	1,544	673	1,383
Deferred:			
U.S. federal	(311)	(860)	(1,365)
U.S. state and local	6	(29)	(26)
Non-U.S.	(858)	(130)	(114)
Total	(1,163)	(1,019)	(1,505)
Income tax provision (benefit)	$ 381	$ (346)	$ (122)

[Schedule of Effective Income Tax Rate Reconciliation]

The table below displays the reconciliation between statutory federal income taxes and the total income tax provision (benefit).

	Year Ended December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Statutory federal income tax expense at 21%	$ 425	$ 107	$ 252
Tax effect from intercompany integration transaction	373	—	—
Foreign rate detriment (benefit)	153	(11)	195
Interest and penalty	136	53	33
State income taxes, net of federal benefit	22	(2)	(3)
Foreign-Derived Intangible Income (FDII) deduction	(275)	(185)	(261)
Research credits	(232)	(169)	(241)
GILTI and other foreign inclusion	(133)	(138)	(96)
Stock-based and non-deductible compensation	(101)	(17)	(6)
Other	13	16	5
Income tax provision (benefit)	$ 381	$ (346)	$ (122)

[Schedule of Deferred Tax Assets and Liabilities]

Deferred income taxes reflect the net tax effects of tax carryovers and temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the balances for income tax purposes. Significant components of the Company’s deferred tax assets and liabilities as of December 28, 2024 and December 30, 2023 were as follows:

	December 28, 2024	December 30, 2023
	(In millions)	
Deferred tax assets:		
Capitalized R&D	$ 2,892	$ 1,753
Net operating loss carryovers	962	992
Accruals and reserves not currently deductible	829	574
Federal and state tax credit carryovers	679	660
Foreign R&D and investment tax credits	579	597
Employee benefits not currently deductible	334	302
Lease liability	182	181
Foreign tax credits	77	71
Other	111	96
Total deferred tax assets	6,645	5,226
Less: valuation allowance	(2,136)	(2,124)
Total deferred tax assets, net of valuation allowance	4,509	3,102
Deferred tax liabilities:		
Acquired intangibles	(3,614)	(3,104)
GILTI	(222)	(524)
Right-of-use assets	(182)	(175)
Other	(152)	(135)
Total deferred tax liabilities	(4,170)	(3,938)
Net deferred tax assets (liabilities)	$ 339	$ (836)

During 2024, the Company executed an intercompany integration transaction and remeasured associated deferred taxes, resulting in increases to the deferred tax liability for acquisition-related intangibles and the deferred tax asset for Capitalized R&D, partially offset by a decrease in the deferred tax liability for GILTI.

The movement in the deferred tax valuation allowance was as follows:

	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Balance at beginning of year	$ 2,124	$ 2,078	$ 1,735
Charges to income tax expense and other accounts	9	41	112
Acquisition-related	3	5	231
Balance at end of year	$ 2,136	$ 2,124	$ 2,078

Schedule of Unrecognized Tax Benefits Roll Forward

reconciliation of the Company's gross unrecognized tax benefits was as follows:

	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Balance at beginning of year	$ 1,463	$ 1,361	$ 275
Increases for tax positions taken in the current year	57	53	748
Increases for tax positions taken in prior years	24	57	104
Decreases for tax positions taken in prior years	(18)	(8)	(12)
Increases to tax positions taken in prior years through acquisitions	—	—	252
Decreases for settlements with taxing authorities and statute of limitation lapses	(28)	—	(6)
Balance at end of year	$ 1,498	$ 1,463	$ 1,361

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Other Expense, Net (Tables)	12 Months Ended Dec. 28, 2024
Income Statement Related Disclosures [Abstract]	
Schedule of Other Expense, Net	The following table summarizes the components of Other income (expense), net:

	Year Ended		
	December 28, 2024	December 30, 2023	December 31, 2022
		(In millions)	
Interest income	$ 182	$ 206	$ 65
Gains (losses) on equity investments, net	2	(1)	(62)
Other income (expense)	(3)	(8)	5
Other income (expense), net	$ 181	$ 197	$ 8

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Commitments and Guarantees (Tables)	12 Months Ended Dec. 28, 2024
Commitments and Contingencies Disclosure [Abstract]	
Schedule of Leases, Supplemental Cash Flows	Supplemental information related to leases is as follows:

	December 28, 2024
Weighted-average remaining lease term in years – operating leases	7.28
Weighted-average discount rate – operating leases	4.63 %

Operating Lease, Liability, Maturity

Future minimum lease payments under non-cancellable operating lease liabilities as of December 28, 2024 are as follows:

Year	(In millions)
2025	$ 134
2026	135
2027	94
2028	66
2029	60
2030 and thereafter	235
Total minimum lease payments	724
Less: interest	(124)
Present value of net minimum lease payments	600
Less: current portion	(109)
Total long-term operating lease liabilities	$ 491

Schedule of Future Unconditional Purchase Obligations

Total future unconditional purchase commitments as of December 28, 2024 were as follows:

Year	(In millions)
2025	$ 4,501
2026	274
2027	46
2028	46
2029	45
2030 and thereafter	56
Total unconditional purchase commitments	$ 4,968

On an ongoing basis, the Company works with suppliers on the timing of payments and deliveries of purchase commitments, taking into account business conditions.

Schedule of Product Warranty Liability

Changes in the Company’s estimated liability for product warranty during 2024 and 2023 are as follows:

	December 28, 2024	December 30, 2023
	(In millions)	
Beginning balance	$ 85	$ 65
Provisions during the period	213	126
Settlements during the period	(110)	(106)
Ending balance	$ 188	$ 85

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Summary of Significant Accounting Policies - Narrative (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
New Accounting Pronouncements or Change in Accounting Principle [Line Items]			
Marketing, communications and advertising expenses	$ 1,200	$ 695	$ 683
Prior Period Reclassification Adjustment		$ 1,100	
Transferred over Time [Member]			
New Accounting Pronouncements or Change in Accounting Principle [Line Items]			
Total revenue recognized over time	8.00%	25.00%	24.00%
Minimum			
New Accounting Pronouncements or Change in Accounting Principle [Line Items]			
Customer payment due, standard contractual term	30 days		

Maximum	
New Accounting Pronouncements or Change in Accounting Principle [Line Items]	
Customer payment due, standard contractual term	60 days

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Supplemental Balance Sheet Information - Schedule of Inventory, Current (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Raw materials	$ 351	$ 279
Work in process	4,289	3,260
Finished goods	1,094	812
Inventories	$ 5,734	$ 4,351

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Supplemental Balance Sheet Information - Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Unbilled accounts receivables	$ 628	$ 1,053
Other current assets	1,250	1,259
Prepaid expenses and other current assets	$ 1,878	$ 2,312

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Supplemental Balance Sheet Information - Property and Equipment, net (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Land, building and leasehold improvements	$ 853	$ 821
Equipment	2,798	2,346
Construction in progress	324	209
Property and equipment, gross	3,975	3,376
Accumulated depreciation	(2,173)	(1,787)
Property and equipment, net	$ 1,802	$ 1,589

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Supplemental Balance Sheet Information - Narrative (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Organization, Consolidation and Presentation of Financial Statements [Abstract]			
Depreciation	$ 454	$ 441	$ 439

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Supplemental Balance Sheet Information - Schedule of Accrued Liabilities (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Organization, Consolidation and Presentation of Financial Statements [Abstract]		
Accrued compensation and benefits	$ 1,063	$ 827
Accrued marketing programs	1,174	884
Customer program liabilities	1,349	788
Other accrued and current liabilities	674	583
Accrued liabilities	$ 4,260	$ 3,082

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Supplemental Balance Sheet Information Remaining Performance Obligations (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]			
Revenue allocated to remaining performance obligations that are unsatisfied or partially unsatisfied	$ 85		
RevenueRemainingPerformanceObligation12months	$ 67		
Transferred over Time [Member]			
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]			
Total revenue recognized over time	8.00%	25.00%	24.00%
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2021-12-25			
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]			
Expected timing of satisfaction, period	12 months		

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Segment Reporting - Summary of Operations by Segment (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Segment Reporting Information			
Net revenue	$ 25,785	$ 22,680	$ 23,601
Segment Reporting, Other Segment Item, Amount	23,885	22,279	22,337
Operating income	1,900	401	1,264
Client			
Segment Reporting Information			
Net revenue	7,054	4,651	6,201
Datacenter			
Segment Reporting Information			
Net revenue	12,579	6,496	6,043
Gaming			

Segment Reporting Information			
Net revenue	2,595	6,212	6,805
Embedded			
Segment Reporting Information			
Net revenue	3,557	5,321	4,552
Operating Segments			
Segment Reporting Information			
Operating income	(4,190)	(4,419)	(4,979)
Operating Segments | Client			
Segment Reporting Information			
Segment Reporting, Other Segment Item, Amount	6,157	4,697	5,011
Operating income	897	(46)	1,190
Operating Segments | Datacenter			
Segment Reporting Information			
Segment Reporting, Other Segment Item, Amount	9,097	5,229	4,195
Operating income	3,482	1,267	1,848
Operating Segments | Gaming			
Segment Reporting Information			
Segment Reporting, Other Segment Item, Amount	2,305	5,241	5,852
Operating income	290	971	953
Operating Segments | Embedded			
Segment Reporting Information			
Segment Reporting, Other Segment Item, Amount	2,136	2,693	2,300
Operating income	1,421	2,628	2,252
Operating Segments | All Other			
Segment Reporting Information			
Segment Reporting, Other Segment Item, Amount	4,190	4,419	4,979
Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment			
Segment Reporting Information			
Operating income	$ 4,190	$ 4,419	$ 4,979

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Segment Reporting - Components of Other Operating Income (Loss) (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Segment Reporting Information			
Total stock-based compensation expense before income taxes	$ (1,407)	$ (1,384)	$ (1,081)
Restructuring charges	(186)	0	0
Inventory loss at contract manufacturer	(65)	0	0
Operating income related to licensed IP	48	34	102
Operating income	1,900	401	1,264
Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment			
Segment Reporting Information			
Amortization of acquisition-related intangibles	2,394	2,811	3,548
Total stock-based compensation expense before income taxes	1,407	1,384	1,081
Acquisition-related and other costs	186	258	452
Restructuring charges	186	0	0
Inventory loss at contract manufacturer	65	0	
Operating income related to licensed IP	(48)	(34)	(102)
Operating income	$ 4,190	$ 4,419	$ 4,979

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Segment Reporting - External Customers by Geographic Region (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Segment Reporting Information			
Net revenue	$ 25,785	$ 22,680	$ 23,601
UNITED STATES			
Segment Reporting Information			
Net revenue	8,693	7,837	8,049
CHINA			
Segment Reporting Information			
Net revenue	6,231	3,417	5,207
China (including Hong Kong)			
Segment Reporting Information			
Net revenue	1,767	4,629	4,177
Japan			
Segment Reporting Information			
Net revenue	1,625	2,030	1,773
Europe			
Segment Reporting Information			
Net revenue	3,301	1,841	2,369
SINGAPORE			
Segment Reporting Information			
Net revenue	3,614	2,231	1,380
Other Countries [Member]			
Segment Reporting Information			
Net revenue	$ 554	$ 695	$ 646

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Segment Reporting - Sales by Customer (Details)	**12 Months Ended**	
	Dec. 30, 2023	**Dec. 31, 2022**
Sales to major customers | Customer Concentration Risk | Customer A		
Segment Reporting Information		
Concentration risk percentage	18.00%	16.00%

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Segment Reporting - Property and Equipment, Net by Geographic Region (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Segment Reporting Information		
Property and equipment, net	$ 1,802	$ 1,589
UNITED STATES		
Segment Reporting Information		
Property and equipment, net	1,312	1,143

CANADA		
Segment Reporting Information		
Property and equipment, net	104	84
CHINA		
Segment Reporting Information		
Property and equipment, net	38	42
SINGAPORE		
Segment Reporting Information		
Property and equipment, net	140	144
Other Countries [Member]		
Segment Reporting Information		
Property and equipment, net	62	44
INDIA		
Segment Reporting Information		
Property and equipment, net	100	86
IRELAND		
Segment Reporting Information		
Property and equipment, net	$ 46	$ 46

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Business Combinations and Asset Acquisitions (Details) - USD ($) $ in Millions			**12 Months Ended**			
	May 26, 2022	**Feb. 14, 2022**	**Dec. 28, 2024**	**Dec. 30, 2023**	**Dec. 31, 2022**	**Dec. 25, 2021**
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]						
Cash Acquired from Acquisition					$ 2,366	
Goodwill			$ 24,839	$ 24,262	24,177	
Asset Acquisition [Line Items]						
Cash Acquired from Acquisition					2,366	
Goodwill			24,839	24,262	24,177	
Business Acquisition, Pro Forma Revenue					24,117	
Business Acquisition, Pro Forma Net Income (Loss)					2,311	
Finite-Lived Intangible Assets, Gross			27,520	27,502		
Finite-Lived Intangible Assets, Accumulated Amortization			(8,752)	(6,359)		
Finite-Lived Intangible Assets, Net			18,768	21,143		
Acquisition-related intangibles			18,930	21,363		
Intangible Assets, Gross (Excluding Goodwill)			27,682	27,722		
Finite-Lived Intangible Asset, Expected Amortization, Year One			2,225			
Finite-Lived Intangible Asset, Expected Amortization, Year Two			2,111			
Finite-Lived Intangible Asset, Expected Amortization, Year Three			1,993			
Finite-Lived Intangible Asset, Expected Amortization, Year Four			1,885			
Finite-Lived Intangible Asset, Expected Amortization, Year Five			1,659			
Finite-Lived Intangible Asset, Expected Amortization, after Year Five			8,895			
Goodwill, Acquired During Period			577	85		
Cash and cash equivalents			3,787	3,933	4,835	
Total cash, cash equivalents, and restricted cash			3,811	3,933	4,835	$ 2,535
Restricted cash included in Prepaid expense and other current assets			24	0	0	
Stock Issued			0	0	48,514	
Termination Fee Merger Agreement			300			
Datacenter						
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]						
Goodwill			3,403	2,942	2,884	
Asset Acquisition [Line Items]						
Goodwill			3,403	2,942	2,884	
Goodwill, Acquired During Period			461	58		
Gaming						
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]						
Goodwill			238	238	238	
Asset Acquisition [Line Items]						
Goodwill			238	238	238	
Goodwill, Acquired During Period			0	0		
Embedded						
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]						
Goodwill			21,072	21,064	21,055	
Asset Acquisition [Line Items]						
Goodwill			21,072	21,064	21,055	
Goodwill, Acquired During Period			8	9		
Client						
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]						
Goodwill			126	18	0	
Asset Acquisition [Line Items]						
Goodwill			126	18	0	
Goodwill, Acquired During Period			108	18		
Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment						
Asset Acquisition [Line Items]						
Acquisition-related and other costs			(186)	(258)	(452)	
Other Intangible Assets						
Asset Acquisition [Line Items]						
Indefinite-Lived Intangible Assets (Excluding Goodwill)			162	220		
Developed Technology Rights						
Asset Acquisition [Line Items]						
Finite-Lived Intangible Assets, Gross			13,408	13,390		
Finite-Lived Intangible Assets, Accumulated Amortization			(2,529)	(1,583)		
Finite-Lived Intangible Assets, Net			10,879	11,807		
Customer Relationships						
Asset Acquisition [Line Items]						
Finite-Lived Intangible Assets, Gross			12,324	12,324		
Finite-Lived Intangible Assets, Accumulated Amortization			(5,124)	(3,755)		
Finite-Lived Intangible Assets, Net			7,200	8,569		
Customer Contracts						
Asset Acquisition [Line Items]						
Finite-Lived Intangible Assets, Gross			809	809		
Finite-Lived Intangible Assets, Accumulated Amortization			(809)	(809)		
Finite-Lived Intangible Assets, Net			0	0		
Trademarks						
Asset Acquisition [Line Items]						
Finite-Lived Intangible Assets, Gross			914	914		
Finite-Lived Intangible Assets, Accumulated Amortization			(225)	(147)		

Finite-Lived Intangible Assets, Net			689	767	
Trade Names					
Asset Acquisition [Line Items]					
Finite-Lived Intangible Assets, Gross			65	65	
Finite-Lived Intangible Assets, Accumulated Amortization			(65)	(65)	
Finite-Lived Intangible Assets, Net			0	0	
Pensando					
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]					
Transaction value	$ 1,900				
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets					208
Goodwill			1,100		
Asset Acquisition [Line Items]					
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles					349
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets					208
Goodwill			1,100		
Consideration transferred	1,700				
Transaction value	1,900				
Pensando | Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment					
Asset Acquisition [Line Items]					
Acquisition-related and other costs				190	102
Xilinx, Inc. [Member]					
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]					
Cash Acquired from Acquisition		$ 2,400	0	0	
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities					1,300
Goodwill		22,800			
Asset Acquisition [Line Items]					
Cash Acquired from Acquisition		2,400	0	0	
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles					27,300
Payments to Acquire Businesses, Net of Cash Acquired		46,400			
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities					1,300
Goodwill		$ 22,800			
Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual				4,612	
Business Combination, Pro Forma Information, Earnings or Loss of Acquiree since Acquisition Date, Actual				2,247	
Consideration transferred	$ 48,800				
Xilinx, Inc. [Member] | Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment					
Asset Acquisition [Line Items]					
Acquisition-related and other costs				26	$ 350
Other Acquisitions					
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]					
Transaction value				134	
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net				49	
Goodwill				85	
Asset Acquisition [Line Items]					
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net				49	
Goodwill				85	
Transaction value				$ 134	
Silo AI					
Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]					
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities			43		
Goodwill			577		
Asset Acquisition [Line Items]					
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles			19		
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities			43		
Goodwill			577		
Consideration transferred			$ 553		
ZT Systems					
Asset Acquisition [Line Items]					
Business Acquisition, Equity Interest Issued or Issuable, Number of Shares			8,335,852		
Business Combination, Shares Issuable Contingent			740,964		
Business Combination, Price of Acquisition, Expected			$ 3,400		
Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High			$ 300		
Business Combination, Shares Issuable Contingent			740,964		
Business Combination, Price of Acquisition, Expected			$ 3,400		
Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High			$ 300		

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Intangible Assets, Goodwill and Other (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Goodwill and Intangible Assets Disclosure [Abstract]			
Amortization of Intangible Assets	$ 2,400	$ 2,800	
Amortization of operating lease right-of-use assets	2,393	$ 2,811	$ 3,548
Impairment of Intangible Assets, Indefinite-Lived (Excluding Goodwill)	$ 58		
Impairment, Intangible Asset, Indefinite-Lived (Excluding Goodwill), Statement of Income or Comprehensive Income [Extensible Enumeration]	Operating Income (Loss)		

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Goodwill (Details) - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Goodwill [Line Items]			
Goodwill	$ 24,839	$ 24,262	$ 24,177

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Related Parties - Equity Joint Ventures (Details) $ in Millions	12 Months Ended		
	Dec. 28, 2024 USD ($) joint_venture	Dec. 30, 2023 USD ($)	Dec. 31, 2022 USD ($)
Schedule of Equity Method Investments [Line Items]			
Purchases from related party	$ 1,700		
Equity income in investee	33	$ 16	$ 14
Equity method investment	149	99	
Operating income related to licensed IP	48	34	102
ATMP JV			
Schedule of Equity Method Investments [Line Items]			
Loans and Leases Receivable, Related Parties	100		
Loans and Leases Receivable, Related Parties	100		
ATMP JV			

Schedule of Equity Method Investments [Line Items]			
Equity method investment	$ 149	99	
Equity Method Investment, Additional Information	17 million		
Equity Method Investment, Additional Information	17 million		
Joint Venture | THATIC JV			
Schedule of Equity Method Investments [Line Items]			
Estimated license fees earned over time	$ 48	34	
Joint Venture | ATMP JV			
Schedule of Equity Method Investments [Line Items]			
Equity interest in each JV	15.00%		
Number of joint ventures | joint_venture	2		
Receivables - related parties	$ 12		
Equity income in investee	33	16	$ 14
Accounts Payable	476	363	
Resale to ATMP JV	$ 121	14	
Joint Venture | THATIC JV			
Schedule of Equity Method Investments [Line Items]			
Number of joint ventures | joint_venture	2		
Receivables - related parties	$ 0	$ 9	

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Debt and Revolving Credit Facility - Summary of Debt and Other Obligations (Details) - USD ($)	Dec. 28, 2024	Dec. 30, 2023
Debt Instrument [Line Items]		
Total debt	$ (1,750,000,000)	
Unamortized debt discount and issuance costs	(29,000,000)	$ (32,000,000)
Total debt (net)	1,721,000,000	2,468,000,000
Less: current portion of long-term debt and related unamortized debt premium and issuance costs	0	(751,000,000)
Long-term debt, net of current portion	1,721,000,000	1,717,000,000
principle balance due		
Debt Instrument [Line Items]		
Total debt	$ (1,750,000,000)	(2,500,000,000)
Senior Notes | 2.950% Senior Notes Due 2024		
Debt Instrument [Line Items]		
Interest rate, stated percentage	2.95%	
Total debt	$ 0	(750,000,000)
Senior Notes | 2.375% Senior Notes Due 2030		
Debt Instrument [Line Items]		
Total debt	$ (750,000,000)	(750,000,000)
Senior Notes | 3.924% Senior Note due 2032		
Debt Instrument [Line Items]		
Interest rate, stated percentage	3.924%	
Total debt	$ (500,000,000)	(500,000,000)
Senior Notes | 4.393% Senior Notes		
Debt Instrument [Line Items]		
Interest rate, stated percentage	4.393%	
Total debt	$ (500,000,000)	$ (500,000,000)
Senior Notes | 2.375% Senior Note due 2030		
Debt Instrument [Line Items]		
Interest rate, stated percentage	2.375%	

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Debt and Revolving Credit Facility - Narrative (Details) - USD ($)	12 Months Ended			
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022	Feb. 14, 2022
Debt Instrument [Line Items]				
Total	$ 1,750,000,000			
Repayment of debt	$ 750,000,000	$ 0	$ 312,000,000	
principal balance of notes assumed				
Debt Instrument [Line Items]				
Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Long-Term Debt				$ 1,500,000,000
3.924% Senior Note due 2032 | Senior Notes				
Debt Instrument [Line Items]				
Interest rate, stated percentage	3.924%			
Total	$ 500,000,000	500,000,000		
4.393% Senior Notes | Senior Notes				
Debt Instrument [Line Items]				
Interest rate, stated percentage	4.393%			
Total	$ 500,000,000	$ 500,000,000		
Line of Credit				
Debt Instrument [Line Items]				
Secured revolving line of credit, maximum borrowing capacity	3,000,000,000			
Line of Credit Facility, Maximum Month-end Outstanding Amount	0			
Line of Credit Facility, Maximum Month-end Outstanding Amount	0			
Commercial Paper				
Debt Instrument [Line Items]				
Secured revolving line of credit, maximum borrowing capacity	3,000,000,000			
Line of Credit Facility, Maximum Month-end Outstanding Amount	0			
Line of Credit Facility, Maximum Month-end Outstanding Amount	$ 0			

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Debt and Revolving Credit Facility - Future Payments on Total Debt (Details) $ in Millions	Dec. 28, 2024 USD ($)
Debt Disclosure [Abstract]	
2030 and thereafter	$ 1,750
Total	1,750
2023	$ 0

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Financial Instruments - Narrative (Details) - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023
Schedule of Investments [Line Items]		
Equity Securities without Readily Determinable Fair Value, Amount	$ 468	$ 155

Debt Securities, Available-for-Sale, Amortized Cost	4,003	5,153
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	3
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(3)	(2)
Debt Securities, Available-for-Sale	4,000	5,154
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost	2,073	3,792
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost	406	361
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Fair Value	2,073	3,792
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Fair Value	405	364
Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value	26	30
Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost	27	32
Asset-Backed Securities		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	30	35
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(2)	(2)
Debt Securities, Available-for-Sale	28	33
Commercial Paper		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	1,621	1,259
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(1)	0
Debt Securities, Available-for-Sale	1,620	1,259
Government money Market Funds		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	1,496	969
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	1,496	969
Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	117	214
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	117	214
US Government Agencies Debt Securities		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	544	2,487
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	3
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	544	2,490
Foreign Government Debt		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	195	189
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	195	189
Fair Value, Recurring		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	4,223	5,288
Level 1		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	2,155	3,563
Level 2		
Schedule of Investments [Line Items]		
Assets, Fair Value Disclosure	2,043	1,725
Cash Equivalents | Government money Market Funds | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	1,496	969
Cash Equivalents | Government money Market Funds | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	1,496	969
Cash Equivalents | Government money Market Funds | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Commercial Paper | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	806	753
Cash Equivalents | Commercial Paper | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Commercial Paper | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	806	753
Cash Equivalents | Bank Time Deposits [Member] | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	107	205
Cash Equivalents | Bank Time Deposits [Member] | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Bank Time Deposits [Member] | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	107	205
Short-term Investments		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	2,506	4,185
Debt Securities, Available-for-Sale	2,504	4,186
Short-term Investments | Commercial Paper | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Commercial Paper | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Commercial Paper | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Bank Time Deposits [Member] | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	10	9

Short-term Investments | Bank Time Deposits [Member] | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Bank Time Deposits [Member] | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	10	9
Short-term Investments | Asset-Backed Securities | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	28	34
Short-term Investments | Asset-Backed Securities | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Asset-Backed Securities | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	28	34
Short-term Investments | US Government Agencies Debt Securities | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	414	1,237
Short-term Investments | US Government Agencies Debt Securities | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	332	1,209
Short-term Investments | US Government Agencies Debt Securities | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	82	28
Other Noncurrent Assets | Bank Time Deposits [Member] | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Bank Time Deposits [Member] | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Other Noncurrent Assets | Bank Time Deposits [Member] | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Fair Value MeasurementsRecurring Def Comp | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	222	133
Other Noncurrent Assets | Fair Value MeasurementsRecurring Def Comp | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	197	133
Other Noncurrent Assets | Fair Value MeasurementsRecurring Def Comp | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Investments, Fair Value Disclosure	0	0
Cash and Cash Equivalents | US Government Agencies Debt Securities | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	130	1,252
Cash and Cash Equivalents | US Government Agencies Debt Securities | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	130	1,252
Cash and Cash Equivalents | US Government Agencies Debt Securities | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Cash and Cash Equivalents | Foreign Government Short-Term Debt Securities | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	116	135
Cash and Cash Equivalents | Foreign Government Short-Term Debt Securities | Level 1 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash and Cash Equivalents | Foreign Government Short-Term Debt Securities | Level 2 | Fair Value, Recurring		
Schedule of Investments [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	116	135
Foreign Currency Forward Contracts | Designated as Hedging Instrument		
Schedule of Investments [Line Items]		
Derivative, notional amount	2,200	2,400
Foreign Currency Forward Contracts | Designated as Hedging Instrument | Prepaid Expenses and Other Current Assets		
Schedule of Investments [Line Items]		
Derivative Asset, Subject to Master Netting Arrangement, before Offset	6	24
Foreign Currency Forward Contracts | Designated as Hedging Instrument | Accrued Liabilities		
Schedule of Investments [Line Items]		
Derivative Asset, Subject to Master Netting Arrangement, before Offset	60	18
Foreign Currency Forward Contracts | Designated as Hedging Instrument | Other Noncurrent Liabilities		
Schedule of Investments [Line Items]		
Derivative Asset, Subject to Master Netting Arrangement, before Offset	11	
Foreign Currency Forward Contracts | Not Designated as Hedging Instrument		
Schedule of Investments [Line Items]		
Derivative, notional amount	$ 642	$ 568

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Financial Instruments - Schedule of Carrying Amounts and Estimated Fair Values of Financial Instruments not Recorded at Fair Value (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Amortized Cost	$ 2,073	$ 3,792
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling within One Year, Fair Value	2,073	3,792
Debt Securities, Available-for-Sale, Amortized Cost	4,003	5,153
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	3
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(3)	(2)
Debt Securities, Available-for-Sale	4,000	5,154
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Amortized Cost	406	361
Debt Securities, Available-for-Sale, Maturity, Allocated and Single Maturity Date, Rolling after One Through Five Years, Fair Value	405	364
Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost	27	32
Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value	26	30
Equity Securities without Readily Determinable Fair Value, Amount	468	155

Equity Securities without Readily Determinable Fair Value, Amount	468	155
Short-term Investments		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	2,506	4,185
Debt Securities, Available-for-Sale	2,504	4,186
Carrying Amount		
Summary of Investment Holdings [Line Items]		
Short-term debt	0	751
Level 2 | Estimated Fair Value		
Summary of Investment Holdings [Line Items]		
Short-term debt	0	741
Government money Market Funds		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	1,496	969
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	1,496	969
Commercial Paper		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	1,621	1,259
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(1)	0
Debt Securities, Available-for-Sale	1,620	1,259
US Government Agencies Debt Securities		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	544	2,487
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	3
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	544	2,490
Bank Time Deposits [Member]		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	117	214
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	0	0
Debt Securities, Available-for-Sale	117	214
Asset-Backed Securities		
Schedule of Investments [Line Items]		
Debt Securities, Available-for-Sale, Amortized Cost	30	35
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Gain, before Tax	0	0
Debt Securities, Available-for-Sale, Accumulated Gross Unrealized Loss, before Tax	(2)	(2)
Debt Securities, Available-for-Sale	$ 28	$ 33

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Financial Instruments - Cash, Cash Equivalents, and Marketable Securities Fair Value Measurements (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Fair Value, Recurring		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Assets, Fair Value Disclosure	$ 4,223	$ 5,288
Level 1		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Assets, Fair Value Disclosure	2,155	3,563
Level 2		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Assets, Fair Value Disclosure	2,043	1,725
Fair Value, Inputs, Level 3		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Assets, Fair Value Disclosure	25	
Cash and Cash Equivalents | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	130	1,252
Cash and Cash Equivalents | Fair Value, Recurring | Foreign Government Short-Term Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	116	135
Cash and Cash Equivalents | Level 1 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	130	1,252
Cash and Cash Equivalents | Level 1 | Fair Value, Recurring | Foreign Government Short-Term Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash and Cash Equivalents | Level 2 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Cash and Cash Equivalents | Level 2 | Fair Value, Recurring | Foreign Government Short-Term Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	116	135
Cash and Cash Equivalents | Fair Value, Inputs, Level 3 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash and Cash Equivalents | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Foreign Government Short-Term Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Short-term Investments | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	414	1,237
Short-term Investments | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	10	9
Short-term Investments | Fair Value, Recurring | Asset-Backed Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	28	34

Short-term Investments | Fair Value, Recurring | Foreign Government Debt		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	79	54
Short-term Investments | Level 1 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Level 1 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	332	1,209
Short-term Investments | Level 1 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Level 1 | Fair Value, Recurring | Asset-Backed Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Level 1 | Fair Value, Recurring | Foreign Government Debt		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Short-term Investments | Level 2 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	814	506
Short-term Investments | Level 2 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	82	28
Short-term Investments | Level 2 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	10	9
Short-term Investments | Level 2 | Fair Value, Recurring | Asset-Backed Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	28	34
Short-term Investments | Level 2 | Fair Value, Recurring | Foreign Government Debt		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	79	54
Short-term Investments | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Short-term Investments | Fair Value, Inputs, Level 3 | Fair Value, Recurring | US Government Agencies Debt Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Short-term Investments | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Short-term Investments | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Asset-Backed Securities		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Short-term Investments | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Foreign Government Debt		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Other Noncurrent Assets | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Fair Value, Recurring | Fair Value MeasurementsRecurring Def Comp		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	222	133
Other Noncurrent Assets | Level 1 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Other Noncurrent Assets | Level 1 | Fair Value, Recurring | Fair Value MeasurementsRecurring Def Comp		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	197	133
Other Noncurrent Assets | Level 2 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	1	1
Other Noncurrent Assets | Level 2 | Fair Value, Recurring | Fair Value MeasurementsRecurring Def Comp		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	0
Other Noncurrent Assets | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	0	
Other Noncurrent Assets | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Fair Value MeasurementsRecurring Def Comp		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments, Fair Value Disclosure	25	
Cash Equivalents | Fair Value, Recurring | Government money Market Funds		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	1,496	969
Cash Equivalents | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	806	753
Cash Equivalents | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	107	205
Cash Equivalents | Level 1 | Fair Value, Recurring | Government money Market Funds		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	1,496	969
Cash Equivalents | Level 1 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Level 1 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Level 2 | Fair Value, Recurring | Government money Market Funds		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	0
Cash Equivalents | Level 2 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	806	753
Cash Equivalents | Level 2 | Fair Value, Recurring | Bank Time Deposits [Member]		

Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	107	205
Cash Equivalents | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Government money Market Funds		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Cash Equivalents | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Commercial Paper		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Cash Equivalents | Fair Value, Inputs, Level 3 | Fair Value, Recurring | Bank Time Deposits [Member]		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Cash and Cash Equivalents, Fair Value Disclosure	0	
Foreign Currency Forward Contracts | Designated as Hedging Instrument		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Derivative, notional amount	2,200	2,400
Foreign Currency Forward Contracts | Not Designated as Hedging Instrument		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Derivative, notional amount	$ 642	$ 568

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Financial Instruments - Financial Instruments Not Recorded at Fair value (Details) - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023
Carrying Amount		
Schedule of Investments [Line Items]		
Long-term debt, net	$ 1,721	$ 1,717
Short-term debt	0	751
Estimated Fair Value		
Schedule of Investments [Line Items]		
Long-term debt, net	1,543	1,630
Estimated Fair Value | Level 2		
Schedule of Investments [Line Items]		
Short-term debt	$ 0	$ 741

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Concentrations of Credit and Operation Risk (Details)	12 Months Ended	
	Dec. 28, 2024	Dec. 30, 2023
Top Customer One | Accounts Receivable | Customer Concentration Risk		
Concentration Risk [Line Items]		
Concentration risk percentage	24.00%	16.00%

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Accumulated Other Comprehensive Income (Loss) (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Changes in Accumulated Other Comprehensive Income (Loss) [Roll Forward]			
Beginning balance	$ 55,892	$ 54,750	
Ending balance	57,568	55,892	$ 54,750
Accumulated other comprehensive loss			
Changes in Accumulated Other Comprehensive Income (Loss) [Roll Forward]			
Beginning balance	(10)	(41)	(3)
Total other comprehensive income (loss)	(59)	31	(38)
Ending balance	$ (69)	$ (10)	$ (41)

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Earnings Per Share (Details) - USD ($) shares in Millions, $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]			
Antidilutive securities excluded from computation of earnings per share, amount (in shares)	1	6	16
Numerator			
Numerator	$ 1,641	$ 854	$ 1,320
Denominator			
Denominator for basic earnings per share (in shares)	1,620	1,614	1,561
Employee equity plans and warrants (in shares)	17	11	10

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Common Stock and Stock-Based Incentive Compensation Plans - Common Stock Activities (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Increase (Decrease) in Stockholders' Equity [Roll Forward]			
Balance, beginning of period (in shares)	1,663,000,000		
Stock Repurchased During Period, Shares	(5,900,000)		
Repurchases of common stock	$ 862		
Balance, end of period (in shares)	1,680,000,000	1,663,000,000	
Share Repurchase Program, Authorized, Amount	$ 12,000		
Common stock			
Increase (Decrease) in Stockholders' Equity [Roll Forward]			
Balance, beginning of period (in shares)	1,616,000,000	1,612,000,000	1,207,000,000
Common stock issued under employee equity incentive plans, net of tax withholding (in shares)	17,000,000	17,000,000	17,000,000
Stock Repurchased During Period, Shares	(6,000,000)	(10,000,000)	(36,000,000)
Common stock repurchases for tax withholding on equity awards (in shares)	(5,000,000)	(4,000,000)	(5,000,000)
Balance, end of period (in shares)	1,622,000,000	1,616,000,000	1,612,000,000
Issuance of common stock upon warrant exercise, shares	0	1,000,000	0
Common stock			
Increase (Decrease) in Stockholders' Equity [Roll Forward]			
Stock Issued During Period, Shares, Acquisitions	0	0	429,000,000

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Common Stock and Stock-Based Incentive Compensation Plans - Narrative (Details) - USD ($) $ / shares in Units, $	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022

in Millions			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Shares available for issuance (shares)	87,645,874		
Share Repurchase Program, Remaining Authorized, Amount	$ 4,700		
Stock Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Vesting period	4 years		
Expiration period	7 years		
Purchase price of common stock	100.00%		
Stock options, shares granted, weighted average estimated grant date fair value per share (USD per share)	$ 68.38	$ 53.72	$ 44.35
Stock options, shares exercised, total intrinsic value	$ 86	$ 173	$ 139
Unrecognized compensation expense	$ 41		
Weighted-average remaining recognition period (in years)	2 years 8 months 15 days		
Time Based Restricted Stock Units			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Unrecognized compensation expense	$ 2,600		
Weighted-average remaining recognition period (in years)	2 years 7 months 17 days		
Weighted Average Grant Date Fair Value (USD per share)	$ 141.95	$ 106.28	$ 92.92
Restricted stock units, shares vested, total fair value	$ 2,000	$ 1,100	$ 889
Weighted-average grant date fair value (usd per share)	$ 116.77	$ 100.65	
Performance Shares			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Weighted-average remaining recognition period (in years)	1 year 7 months 9 days		
Weighted Average Grant Date Fair Value (USD per share)	$ 118.98	$ 134.87	$ 121.12
Restricted stock units, shares vested, total fair value	$ 226	$ 100	$ 254
Weighted-average grant date fair value (usd per share)	$ 139.31	$ 117.65	
Total unrecognized compensation expense	$ 154		
Performance Shares | Minimum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Range of target shares granted	0.00%		
Performance Shares | Maximum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Range of target shares granted	250.00%		
ESPP			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Purchase price of common stock	85.00%		
Maximum percent of earnings withheld during offering period	15.00%		
Weighted-average remaining recognition period (in years)	4 months 13 days		
Weighted-average grant date fair value (usd per share)	$ 43.80	$ 31.11	$ 24.71
Share-based compensation, common stock purchased (in shares)	2,000,000		
Weighted average purchase price (USD per share)	$ 111		
Aggregate cash proceeds	$ 265		
Offering period	6 months		
Common stock | 2004 Plan [Member]			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Shares available for grant (shares)	60,000,000		
Shares available for issuance (shares)	34,000,000		

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Common Stock and Stock-Based Incentive Compensation Plans - Allocation of Recognized Period Costs (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Share-based Compensation, Allocation of Recognized Period Costs [Line Items]			
Total stock-based compensation expense before income taxes	$ 1,407	$ 1,384	$ 1,081
Income tax benefit	(251)	(249)	(179)
Total stock-based compensation expense, net of income taxes	1,156	1,135	902
Cost of sales			
Share-based Compensation, Allocation of Recognized Period Costs [Line Items]			
Total stock-based compensation expense before income taxes	21	30	29
Research and development			
Share-based Compensation, Allocation of Recognized Period Costs [Line Items]			
Total stock-based compensation expense before income taxes	1,079	1,002	697
Marketing, general, and administrative			
Share-based Compensation, Allocation of Recognized Period Costs [Line Items]			
Total stock-based compensation expense before income taxes	$ 307	$ 352	$ 355

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Common Stock and Stock-Based Incentive Compensation Plans - Stock Option Valuation Assumptions (Details)	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Stock Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	54.34%		51.28%
Risk-free interest rate	3.80%		3.00%
Expected dividends	0.00%	0.00%	0.00%
Expected life (in years)	4 years 11 months 23 days		4 years 9 months
PRSU			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected dividends	0.00%	0.00%	0.00%
Minimum | Stock Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	52.36%		
Risk-free interest rate	3.93%		
Expected life (in years)	4 years 11 months 15 days		
Minimum | PRSU			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	52.68%	51.12%	50.65%
Risk-free interest rate	3.82%	4.30%	1.14%
Expected life (in years)	2 years 5 months 23 days	2 years 2 months 1 day	2 years 25 days
Maximum | Stock Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	52.42%		

Risk-free interest rate	4.11%		
Expected life (in years)	5 years 14 days		
Maximum | PRSU			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	53.19%	56.22%	53.51%
Risk-free interest rate	4.41%	4.36%	3.17%
Expected life (in years)	3 years	3 years	3 years 25 days

XML 94 R74.htm IDEA: XBRL DOCUMENT

Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for Stock Options (Details) $ / shares in Units, shares in Millions, $ in Millions	12 Months Ended
	Dec. 28, 2024 USD ($) $ / shares shares
Stock Options	
Outstanding Number of Shares	
Balance, beginning of period (in shares)	3
Granted (in shares)	0
Exercised (in shares)	(1)
Balance, end of period (in shares)	2
Exercisable, end of period (in shares)	1
Weighted- Average Exercise Price	
Balance, beginning of period (USD per share) | $ / shares	$ 68.33
Granted (USD per share) | $ / shares	134.27
Canceled (USD per share) | $ / shares	102.71
Exercised (USD per share) | $ / shares	22.17
Balance, end of period (USD per share) | $ / shares	89.73
Exercisable, end of period (USD per share) | $ / shares	$ 74.61
Aggregate Intrinsic Value	
Balance | $	$ 81
Exercisable December 28, 2024 | $	$ 69
Weighted-Average Remaining Contractual Life (in years)	
Balance	3 years 11 months 1 day
Exercisable December 28, 2024	2 years 9 months 29 days
Forfeited (in shares)	0
Time Based Restricted Stock Units	
Weighted-Average Remaining Contractual Life (in years)	
Forfeited (in shares)	(1)

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Common Stock and Stock-Based Incentive Compensation Plans - Restricted Stock Units Activates and PRSUs (Details) - $ / shares shares in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Time Based Restricted Stock Units			
Number of Shares			
Beginning of period (in shares)	32		
Granted (in shares)	12		
Forfeited (in shares)	(1)		
Vested (in shares)	(13)		
End of period (in shares)	30	32	
Weighted- Average Grant Date Fair Value			
Beginning of period, (USD per share)	$ 100.65		
Granted (USD per share)	141.95	$ 106.28	$ 92.92
Forfeited (USD per share)	107.96		
Vested (USD per share)	101.35		
End of period, (USD per share)	$ 116.77	$ 100.65	
PRSU			
Number of Shares			
Beginning of period (in shares)	2		
Granted (in shares)	1		
Forfeited (in shares)	0		
Vested (in shares)	(1)		
End of period (in shares)	2	2	
Weighted- Average Grant Date Fair Value			
Beginning of period, (USD per share)	$ 117.65		
Granted (USD per share)	118.98	$ 134.87	$ 121.12
Forfeited (USD per share)	132.80		
Vested (USD per share)	91.15		
End of period, (USD per share)	$ 139.31	$ 117.65	

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Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for PRSUs (Details) - PRSU	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected dividends	0.00%	0.00%	0.00%
Minimum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	52.68%	51.12%	50.65%
Risk-free interest rate	3.82%	4.30%	1.14%
Expected term (in years)	2 years 5 months 23 days	2 years 2 months 1 day	2 years 25 days
Maximum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	53.19%	56.22%	53.51%
Risk-free interest rate	4.41%	4.36%	3.17%
Expected term (in years)	3 years	3 years	3 years 25 days

XML 97 R77.htm IDEA: XBRL DOCUMENT

Common Stock and Stock-Based Incentive Compensation Plans - Weighted Average Valuation Assumptions for ESPP (Details) - ESPP - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected dividends		0.00%	0.00%
Expected term (in years)	6 months	6 months	6 months
Share-based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount	$ 43		
Weighted-average remaining recognition period (in years)	4 months 13 days		
Minimum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	48.14%	45.74%	58.15%
Risk-free interest rate	4.42%	5.13%	1.43%
Maximum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility	49.38%	49.40%	63.76%
Risk-free interest rate	5.41%	5.46%	4.52%

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Retirement Benefit Plans (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Defined Contribution Plan Disclosure [Line Items]			
Employer matching contribution, percent of match	75.00%		
Amount of company contributions to the 401(k) plan	$ 78	$ 70	$ 47
Maximum			
Defined Contribution Plan Disclosure [Line Items]			
Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay	6.00%		

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Restructuring and Related Activities (Details) - USD ($) $ in Millions	12 Months Ended	
	Dec. 28, 2024	Dec. 30, 2023
Restructuring and Related Activities [Abstract]		
Payments for Restructuring	$ (24)	
Restructuring and Related Cost, Accelerated Depreciation	(73)	
Restructuring Reserve	89	$ 0
Severance Costs	186	
Restructuring Cost and Reserve [Line Items]		
Severance Costs	186	
Payments for Restructuring	24	
Restructuring Reserve	89	0
Restructuring Reserve, Accrual Adjustment	73	
Employee Severance		
Restructuring and Related Activities [Abstract]		
Payments for Restructuring	(24)	
Restructuring and Related Cost, Accelerated Depreciation	0	
Restructuring Reserve	89	0
Severance Costs	113	
Restructuring Cost and Reserve [Line Items]		
Severance Costs	113	
Payments for Restructuring	24	
Restructuring Reserve	89	0
Restructuring Reserve, Accrual Adjustment	0	
Other Restructuring		
Restructuring and Related Activities [Abstract]		
Payments for Restructuring	0	
Restructuring and Related Cost, Accelerated Depreciation	(73)	
Restructuring Reserve	0	0
Severance Costs	73	
Restructuring Cost and Reserve [Line Items]		
Severance Costs	73	
Payments for Restructuring	0	
Restructuring Reserve	0	$ 0
Restructuring Reserve, Accrual Adjustment	$ 73	

XML 100 R80.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Income (Loss) Before Income Tax (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Income Tax Disclosure [Abstract]			
U.S.	$ 2,369	$ 454	$ 2,093
Non-U.S.	(347)	54	(895)
Income before income taxes and equity income	$ 2,022	$ 508	$ 1,198

XML 101 R81.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Provisions (Benefit) for Income Taxes (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Current:			
U.S. federal	$ 1,338	$ 496	$ 1,191
U.S. state and local	64	27	31
Non-U.S.	142	150	161
Total	1,544	673	1,383
Deferred:			
U.S. federal	(311)	(860)	(1,365)
U.S. state and local	6	(29)	(26)
Non-U.S.	(858)	(130)	(114)
Total	(1,163)	(1,019)	(1,505)
Income tax provision (benefit)	$ 381	$ (346)	$ (122)

XML 102 R82.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Effective Income Tax Rate Reconciliation (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Income Tax Disclosure [Abstract]			
Statutory federal income tax expense at 21%	$ 425	$ 107	$ 252
Tax effect from intercompany integration transaction	373	0	0
Tax effect from intercompany integration transaction [Line Items]			
Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount	(22)	2	3
Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Amount	153	(11)	195
Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount	(232)	(169)	(241)
Effective Income Tax Rate Reconciliation, GILTI, Amount	(133)	(138)	(96)
Effective Income Tax Rate Reconciliation, FDII, Amount	(275)	(185)	(261)
Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount	136	53	33
Stock-based and non-deductible compensation	(101)	(17)	(6)
Effective Income Tax Rate Reconciliation, Other Adjustments, Amount	13	16	5
Income tax provision (benefit)	$ 381	$ (346)	$ (122)
Effective Income Tax Rate Reconciliation, Percent	19.00%	68.00%	

XML 103 R83.htm IDEA: XBRL DOCUMENT

Income Taxes - Narrative (Details) - USD ($) $ in Millions	12 Months Ended			
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022	Dec. 25, 2021
Income Tax Contingency [Line Items]				
Income tax provision (benefit)	$ 381	$ (346)	$ (122)	
Unrecognized tax benefits that would impact effective tax rate	1,300	1,300	1,200	
Deferred Tax Assets, Valuation Allowance	2,136	2,124	2,078	$ 1,735
Effective Income Tax Rate Reconciliation, FDII, Amount	275	185	261	
Effective Income Tax Rate Reconciliation, Other Adjustments, Amount	$ 13	$ 16	5	
Effective Income Tax Rate Reconciliation, Percent	19.00%	68.00%		
Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount	$ 232	$ 169	241	
Effective Income Tax Rate Reconciliation, GILTI, Amount	(133)	(138)	(96)	
Foreign R&D and investment tax credits	579	597		
Accrued Income Taxes, Noncurrent		1,400		
Effective Income Tax Rate Reconciliation, FDII, Amount	275	185	261	
Stock-based and non-deductible compensation	101	17	$ 6	
Accrued Income Taxes, Noncurrent		$ 1,400		
Federal				
Income Tax Contingency [Line Items]				
Tax credit carryforward, amount	12			
State/Provincial				
Income Tax Contingency [Line Items]				
Tax credit carryforward, amount	804			
Canada Tax Authority				
Income Tax Contingency [Line Items]				
Tax credit carryforward, amount	$ 620			

XML 104 R84.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Deferred Tax Assets and Liabilities (Details) - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022	Dec. 25, 2021
Deferred tax assets:				
Net operating loss carryovers	$ 962	$ 992		
Accruals and reserves not currently deductible	829	574		
Federal and state tax credit carryovers	679	660		
Foreign R&D and investment tax credits	579	597		
Deferred Tax Assets, Tax Credit Carryforwards, Foreign	77	71		
Lease liability	182	181		
Other	111	96		
Total deferred tax assets	6,645	5,226		
Less: valuation allowance	(2,136)	(2,124)	$ (2,078)	$ (1,735)
Total deferred tax assets, net of valuation allowance	4,509	3,102		
Deferred tax liabilities:				
Right-of-use assets	(182)	(175)		
Acquired intangibles	(3,614)	(3,104)		
Deferred Tax Liabilities, GILTI	(222)	(524)		
Other	(152)	(135)		
Total deferred tax liabilities	(4,170)	(3,938)		
Deferred Tax Assets (Liabilities), Noncurrent, Net	339	(836)		
Deferred Tax Asset, In-Process Research and Development	2,892	1,753		
Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits, Employee Benefits	$ 334	$ 302		

XML 105 R85.htm IDEA: XBRL DOCUMENT

Income Taxes - Movement in Deferred Tax Valuation Allowance (Details) - USD ($) $ in Millions	12 Months Ended		
	Dec. 28, 2024	Dec. 30, 2023	Dec. 31, 2022
Valuation Allowance [Line Items]			
Beginning balance	$ 2,124	$ 2,078	$ 1,735
Ending balance	2,136	2,124	2,078
Charged (reductions) to expense/other accounts			
Valuation Allowance [Line Items]			
Increase (decrease) in valuation allowance	9	41	112
Acquisition-related Costs			
Valuation Allowance [Line Items]			
Increase (decrease) in valuation allowance	$ 3	$ 5	$ 231

XML 106 R86.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Deferred Tax Assets and Liabilities, Current and Noncurrent (Details) - USD ($) $ in Millions	Dec. 28, 2024	Dec. 30, 2023
Income Tax Disclosure [Abstract]		
Deferred Tax Assets (Liabilities), Noncurrent, Net	$ 339	$ (836)
Deferred tax assets, net	$ 688	$ 366

XML 107 R87.htm IDEA: XBRL DOCUMENT

Income Taxes - Summary of Tax Attribute Carryforwards (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Tax Attribute Carryforwards [Line Items]		
Foreign R&D and investment tax credits	$ 579	$ 597
Federal and state tax credit carryovers	679	660
Federal and state tax credit carryovers	679	$ 660
Federal		
Tax Attribute Carryforwards [Line Items]		
Operating loss carryforwards, amount	134	
Tax credit carryforward, amount	12	
State/Provincial		
Tax Attribute Carryforwards [Line Items]		
Operating loss carryforwards, amount	362	
Tax credit carryforward, amount	804	
Canada Tax Authority		
Tax Attribute Carryforwards [Line Items]		
Tax credit carryforward, amount	$ 620	

XML 108 R88.htm IDEA: XBRL DOCUMENT

Income Taxes - Schedule of Gross Unrecognized Tax Benefits (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Unrecognized Tax Benefits [Roll Forward]			
Balance at beginning of year	$ 1,463	$ 1,361	$ 275
Increases for tax positions taken in prior years	24	57	104
Decreases for tax positions taken in prior years	(18)	(8)	(12)
Unrecognized Tax Benefits, Increase Resulting from Acquisition	0	0	252
Increases for tax positions taken in the current year	57	53	748
Decreases for settlements with taxing authorities and statute of limitation lapses	(28)	0	(6)
Balance at end of year	1,498	1,463	1,361
Unrecognized Tax Benefits, Income Tax Penalties Expense	$ 298	$ 142	$ 81

XML 109 R89.htm IDEA: XBRL DOCUMENT

Other Expense, Net (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Income Statement Related Disclosures [Abstract]			
Interest income	$ 182	$ 206	$ 65
Gains (losses) on equity investments, net	2	(1)	(62)
Other income (expense)	(3)	(8)	5
Other income (expense), net	$ 181	$ 197	$ 8

XML 110 R90.htm IDEA: XBRL DOCUMENT

Commitments and Guarantees - Supplemental Information Related to Leases (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Commitments and Contingencies Disclosure [Abstract]			
Variable lease, cost	$ 83	$ 46	$ 40
Weighted-average remaining lease term in years – operating leases	7 years 3 months 10 days		
Weighted-average discount rate – operating leases	4.63%		
Operating Lease, Cost	$ 147	$ 127	$ 118

XML 111 R91.htm IDEA: XBRL DOCUMENT

Commitments and Guarantees - Operating Lease Obligations (Details) - USD ($) $ in Millions	**Dec. 28, 2024**	**Dec. 30, 2023**
Commitments and Contingencies Disclosure [Abstract]		
2021	$ 134	
2022	135	
2023	94	
2024	66	
2025	60	
2026 and thereafter	235	
Total minimum lease payments	724	
Less: interest	(124)	
Present value of net minimum lease payments	600	
Operating Lease, Liability, Current	$ (109)	
Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]	Other current liabilities	
Total long-term operating lease liabilities	$ 491	$ 535

XML 112 R92.htm IDEA: XBRL DOCUMENT

Commitments and Guarantees - Narrative (Details) - USD ($) $ in Millions	**12 Months Ended**		
	Dec. 28, 2024	**Dec. 30, 2023**	**Dec. 31, 2022**
Long-term Purchase Commitment [Line Items]			
Variable lease, cost	$ 83	$ 46	$ 40
Operating Lease, Payments, Use	155	147	108
Operating Lease, Cost	$ 147	$ 127	$ 118

XML 113 R93.htm IDEA: XBRL DOCUMENT

Commitments and Guarantees - Unconditional Purchase Obligations (Details) $ in Millions	**Dec. 28, 2024 USD ($)**
Commitments and Contingencies Disclosure [Abstract]	
2025	$ 4,501
2026	274
2027	46
2028	46
2029	45

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16923002485 Augustine Drive2485 Augustine DriveSanta ClaraCA95054408749-4000Common Stock, $0.01 par value per shareAMDNASDAQYesNoYesYesLarge
Accelerated Filerfalsefalsetruefalsefalse261400000000001620477962Portions of the registrant’s proxy statement for the 2025 Annual Meeting of Stockholders (2025 Proxy
Statement) are incorporated into Part III hereof. The 2025 Proxy Statement will be filed with the U.S. Securities and Exchange Commission within 120 days after the
registrant’s fiscal year ended December 28,
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CompanyAdvanced Micro Devices, Inc. is a global semiconductor company. References herein to AMD or the Company mean Advanced Micro Devices, Inc. and its consolidated subsidiaries. AMD’s products include Artificial Intelligence (AI) Accelerators, x86 microprocessors (CPUs) and graphics processing units (GPUs), as standalone devices or as incorporated into accelerated processing units (APUs), chipsets, data center and professional GPUs, embedded processors, semi-custom System-on-Chip (SoC) products, microprocessor and SoC development services and technology, data processing units (DPUs), Field Programmable Gate Arrays (FPGAs), System on Modules (SOMs), Smart Network Interface Cards (SmartNICs), and Adaptive SoC products. From time to time, the Company may also sell or license portions of its intellectual property (IP) portfolio.Basis of Presentation and Significant Accounting Policies<div style="margin-top:9pt;text-align:justify">Fiscal Year. The Company uses a 52- or 53-week fiscal year ending on the last Saturday in December. Fiscal years 2024, 2023 and 2022 ended on December 28, 2024, December 30, 2023 and December 31, 2022, respectively. Fiscal years 2024 and 2023 each consisted of 52 weeks, while fiscal year 2022 consisted of 53 weeks.</div><div style="margin-top:9pt;text-align:justify">Principles of Consolidation. The Consolidated Financial Statements include the Company’s accounts and those of its wholly-owned subsidiaries. Upon consolidation, all inter-company accounts and transactions have been eliminated.</div><div style="margin-top:9pt;text-align:justify">Reclassification and Change in Presentation. Unbilled receivables of $1.1 billion as of December 30, 2023 were reclassified from within Accounts receivable, net to within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets and in the Statements of Cash Flows to conform to current period presentation. </div><div style="margin-top:9pt;text-align:justify">Use of Estimates. The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results are likely to differ from those estimates, and such differences may be material to the financial statements. Areas where management uses subjective judgment include, but are not limited to, revenue allowances, inventory valuation, valuation of goodwill and long-lived and intangible assets, and income taxes.</div><div style="margin-top:9pt;text-align:justify">Revenue Recognition</div><div style="margin-top:9pt;text-align:justify">Revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the Company expects to receive in exchange for those goods or services. Sales, value-added, and other taxes collected concurrently with the provision of goods or services are excluded from revenue. Shipping and handling costs associated with product sales are included in cost of sales. Substantially all of the Company’s revenue is derived from product sales. </div><div style="margin-top:9pt;text-align:justify">Customers are generally required to pay for products and services within the Company’s standard contractual terms, which are typically net 30 to 60 days. The Company has determined that it does not have significant financing components in its contracts with customers.</div><div style="margin-top:9pt;text-align:justify">Non-custom products</div><div style="margin-top:9pt;text-align:justify">The Company transfers control and recognizes revenue when non-custom products are shipped to customers, which includes original equipment manufacturers (OEM) and distributors, in accordance with the shipping terms of the sale. Certain OEMs may be entitled to rights of return and rebates under OEM agreements. The Company also sells to distributors under terms allowing the majority of distributors certain rights of return and price protection on unsold merchandise held by them. The Company estimates the amount of variable consideration under OEM and distributor arrangements and, accordingly, records a provision for product returns, allowances for price protection and rebates based on actual historical experience and any known events. </div><div style="margin-top:9pt;text-align:justify">The Company offers incentive programs to certain customers, including cooperative advertising, marketing promotions, volume-based incentives and special pricing arrangements. Where funds provided for such programs can be estimated, the Company recognizes a reduction to revenue at the time the related revenue is recognized; otherwise, the Company recognizes such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where the Company reimburses a customer for a portion of the customer’s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition.</div><div style="margin-top:9pt;text-align:justify">Constraints of variable consideration have not been material.</div><div style="margin-top:9pt;text-align:justify">Custom products</div><div style="margin-top:9pt;text-align:justify">Custom products, which are primarily associated with the Company’s Gaming segment, are sold under non-cancellable purchases orders, for which the Company has an enforceable right to payment, and which have no alternative use to the Company at contract inception, are recognized as revenue, over the time of production of the products by the Company. The Company utilizes a cost-based input method, calculated as cost incurred plus estimated margin, to determine the amount of revenue to recognize for in-process or completed customer orders at a reporting date. The Company believes that a cost-based input method is the most appropriate manner to measure how the Company satisfies its performance obligations to customers because the effort and costs incurred best depict the Company’s satisfaction of its performance obligation.</div><div style="margin-top:9pt;text-align:justify">Sales of custom products are not subject to a right of return and arrangements generally involve a single performance obligation. Generally, there are no variable consideration estimates associated with custom products.</div><div style="margin-top:9pt;text-align:justify">Development and intellectual property licensing agreements</div><div style="margin-top:9pt;text-align:justify">From time to time, the Company may enter into arrangements with customers that combine the provision of development services and a license to the right to use the Company’s IP. These arrangements are deemed to be single or multiple performance obligations based upon the nature of the arrangements. Revenue is recognized upon the transfer of control, over time or at a point in time, depending on the nature of the arrangements. The Company evaluates whether the licensing component is distinct. A licensing component is distinct if it is both (i) capable of being distinct and (ii) distinct in the context of the arrangement. If the license is not distinct, it is combined with the development services as a single performance obligation and recognized over time. If the license is distinct, revenue is recognized at a point in time when the customer has the ability to benefit from the license.</div><div style="margin-top:9pt;text-align:justify"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-

height:120%">From time to time, the Company may enter into arrangements with customers that solely involve the sale or licensing of its patents or IP. Generally, there are no performance obligations beyond transferring the designated license to the Company’s patents or IP. Accordingly, revenue is recognized at a point in time when the customer has the ability to benefit from the license.</div><div style="margin-top:9pt;text-align:justify">There are no variable consideration estimates associated with either combined development and IP arrangements or for standalone arrangements involving either the sale or licensing of IP.</div><div style="margin-top:9pt;text-align:justify">Inventories</div><div style="margin-top:9pt;text-align:justify">The Company values inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. In determining excess or obsolescence reserves for its products, the Company considers assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for its products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, the Company considers assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. The Company fully reserves for inventories and non-cancellable purchase orders for inventory deemed obsolete. The Company performs periodic reviews of inventory items to identify excess inventories on hand by comparing on-hand balances and non-cancellable purchase orders to anticipated usage using recent historical activity as well as anticipated or forecasted demand. If estimates of customer demand diminish further or market conditions become less favorable than those projected by the Company, additional inventory carrying value adjustments may be required.</div><div style="margin-top:9pt;text-align:justify">Business Combinations</div><div style="margin-top:9pt;text-align:justify">The Company is required to use the acquisition method of accounting for business combinations. The acquisition method of accounting requires the Company to allocate the purchase consideration to the assets acquired and liabilities assumed from the acquiree based on their respective fair values as of the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired and liabilities assumed is recorded as goodwill. When determining the fair values of assets acquired and liabilities assumed, management makes significant estimates and assumptions, especially with respect to intangible assets. Critical estimates in valuing intangible assets include, but are not limited to, expected future revenue growth rates and margins, future changes in technology, time to recreate customer relationships, useful lives, and discount rates. Fair value estimates are based on the assumptions that management believes a market participant would use in pricing the asset or liability. These estimates are inherently uncertain and, therefore, actual results may differ from the estimates made.</div><div style="margin-top:9pt;text-align:justify">Goodwill</div><div style="margin-top:9pt;text-align:justify">The Company performs its goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment.</div><div style="margin-top:9pt;text-align:justify">The Company has the option to first perform qualitative testing to determine if it is more likely than not that the fair value of a reporting unit exceeds its carrying amount. Qualitative factors include industry and market considerations, overall financial performance, share price trends and market capitalization and Company-specific events. If the Company concludes it is more likely than not that the fair value of a reporting unit exceeds its carrying amount, the Company does not proceed to perform a quantitative impairment test. </div><div style="margin-top:9pt;text-align:justify">If the Company concludes it is more likely than not that the fair value of a reporting unit is less than its carrying value or elects to bypass the qualitative test, a quantitative goodwill impairment test will be performed by comparing the fair value of each reporting unit to its carrying value. If a reporting unit’s fair value is determined to be less than its carrying value, a goodwill impairment charge is recognized for the amount by which the reporting unit’s fair value is less than its carrying value, not to exceed the total amount of goodwill allocated to that reporting unit.</div><div style="margin-top:9pt;text-align:justify">Long-Lived and Intangible Assets</div><div style="margin-top:9pt;text-align:justify">Long-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows.</div><div style="margin-top:9pt;text-align:justify">When indicators of impairment exist and assets are held for use, the Company estimates future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals. Factors affecting impairment of assets held for use include the ability of the specific assets to generate separately identifiable positive cash flows.</div><div style="margin-top:9pt;text-align:justify">When assets are removed from operations and held for sale, the Company estimates impairment losses as the excess of the carrying value of the assets over their fair value. Market conditions are among the factors affecting impairment of assets held for sale. Changes in any of these factors could necessitate impairment recognition in future periods for assets held for use or assets held for sale.</div><div style="margin-top:9pt;text-align:justify">Cash Equivalents</div><div style="margin-top:9pt;text-align:justify">Cash equivalents consist of financial instruments that are readily convertible into cash and have original maturities of three months or less at the time of purchase. </div><div style="margin-top:9pt;text-align:justify">Accounts Receivable</div><div style="margin-top:9pt;text-align:justify">Accounts receivable are primarily comprised of trade receivables presented net of rebates, price protection and an allowance for credit loss. The Company manages its exposure to customer credit risk through credit limits, credit lines, ongoing monitoring procedures and credit approvals. While the Company maintains an allowance for customer credit losses, its accounts receivable write-offs have historically not been significant. </div><div style="margin-top:9pt;text-align:justify">Unbilled Receivables</div><div style="margin-top:9pt;text-align:justify">Unbilled receivables are recorded within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets. Unbilled receivables primarily represent work completed on development services and on custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, recognized as revenue but not yet invoiced to customers.</div><div style="margin-top:9pt;text-align:justify">Investments</div><div style="margin-top:9pt;text-align:justify">Available-for-Sale Debt Securities. Investments in marketable debt securities are available for use in current operations, including those with maturity dates beyond one year, and are classified within current assets on the Consolidated Balance Sheets. Available-for-sale debt securities are recorded at fair value, with the change in unrealized gains and losses, net of tax, reported as a separate component on the Consolidated Statements of Comprehensive Income until realized. Fair value is determined based on quoted market rates when observable or utilizing data points that are observable. Securities with an amortized cost basis in excess of estimated fair value are assessed to determine what amount of the excess, if any, is caused by expected credit losses. Expected credit losses on securities are recognized in other income (expense) on the Consolidated Statements of Operations, and any remaining unrealized losses, net of tax, are included in Accumulated other comprehensive income (loss), in Consolidated Statements of Stockholders’ Equity. The Company uses the first-in, first-out method as basis of the cost of securities sold.</div><div style="margin-top:9pt;text-align:justify">Strategic Non-marketable Equity Securities. The Company’s investments in non-marketable securities of privately-held companies are held for long-term strategic purposes and are accounted for under the measurement alternative, defined as cost, less impairments, adjusted for subsequent observable price changes and are periodically assessed for impairment when events or circumstances indicate that a decline in value may have occurred. The Company's periodic assessment of impairment is made by considering available evidence, including the investee’s general market and industry conditions and product development status. The Company also assesses the investee’s ability to meet business milestones, its financial condition, and near-term prospects, including the rate at which the investee is using its cash, the investee’s need for possible additional funding at a lower valuation and any bona fide offer to purchase the investee.</div><div style="margin-top:9pt;text-align:justify"> Fair Value Measurements </div><div style="margin-top:9pt;text-align:justify">The Company’s financial instruments are measured and recorded at fair value on a recurring basis, except for non-marketable equity investments in privately-held companies, which are generally accounted for under the measurement alternative. </div><div style="margin-top:9pt">Fair Value Hierarchy</div><div style="margin-top:9pt;text-align:justify">The fair value framework requires the categorization of assets and liabilities into three levels based upon the assumptions (inputs) used to price the assets or liabilities. The guidance for fair value measurements requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:</div><div style="margin-top:9pt;text-align:justify">Level 1 — Quoted (unadjusted) prices in active markets for identical assets or liabilities.</div><div style="margin-top:9pt;text-align:justify">Level 2 — Observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.</div><div style="margin-top:9pt;text-align:justify">Level 3 — Unobservable inputs to the valuation methodology that are supported by little or no market activity and that are significant to the measurement of the fair value of the assets or liabilities. Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques, as well as significant management judgment or estimation. </div><div style="margin-top:9pt;text-align:justify">Property and Equipment</div><div style="margin-top:9pt;text-align:justify">Property and equipment are stated at cost. Depreciation and amortization are provided on a straight-line basis over the estimated useful lives of two to 15 years for equipment, 34 to 44 years for buildings, and leasehold improvements are measured by the shorter of the remaining terms of the leases or the estimated useful economic lives of the improvements.</div><div style="margin-top:9pt;text-align:justify">Leases</div><div style="margin-top:9pt;text-align:justify">Operating and finance leases are recorded as right-of-use (ROU) assets and lease liabilities on the Company’s Consolidated Balance Sheets. ROU assets represent the Company’s right to use an underlying asset for the lease term and lease liabilities represent the Company’s obligation to make lease payments arising from the lease. Operating and finance lease ROU assets and liabilities are initially recognized based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses the implicit interest rate if readily determinable. When the implicit interest rate is not readily determinable, the Company uses its incremental borrowing rate, which is based on its collateralized borrowing capabilities over a similar term of the lease payments. When using the incremental borrowing rate, the Company utilizes the consolidated group incremental borrowing rate. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term. The Company has elected the accounting policy to not recognize ROU assets and lease liabilities that arise from short-term (12 months or less) leases for any class of underlying asset. Operating leases are included in operating lease ROU assets, other current liabilities, and long-term operating lease liabilities on the Company’s Consolidated Balance Sheets. The Company’s finance leases are immaterial.</div><div style="margin-top:9pt;text-align:justify">Foreign Currency

~~Translation/Transactions</div><div style="margin-top:9pt;text-align:justify">The functional currency of the Company’s foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in non-U.S. dollars have been remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and historical exchange rates for non-monetary assets and liabilities. Non-U.S. dollar denominated transactions have been remeasured at average exchange rates in effect during each period, except for those cost of sales and expense transactions related to non-monetary balance sheet amounts which have been remeasured at historical exchange rates. The gains or losses from foreign currency remeasurement are included in earnings. </div><div style="margin-top:9pt;text-align:justify">Marketing and Advertising Expenses</div><div style="margin-top:9pt;text-align:justify">Advertising costs are expensed as incurred. In addition, the Company’s marketing and advertising expenses include certain cooperative advertising funding obligations under customer incentive programs, which costs are recorded upon agreement with customers and vendor partners. Cooperative advertising expenses are recorded as marketing, general and administrative expense to the extent the cash paid does not exceed the estimated fair value of the advertising benefit received. Any excess of cash paid over the estimated fair value of the advertising benefit received is recorded as a reduction of revenue. Total marketing and advertising expenses for 2024, 2023 and 2022 were approximately $1.2 billion, $695 million and $683 million, respectively. </div><div style="margin-top:9pt;text-align:justify">Stock-Based Compensation</div><div style="margin-top:9pt;text-align:justify">The Company estimates stock-based compensation cost for stock options at the grant date based on the option’s fair value as calculated by the Black-Scholes model. For time-based restricted stock units (RSUs), fair value is based on the closing price of the Company’s common stock on the grant date. The Company estimates the grant-date fair value of RSUs that involve a market condition using the Monte Carlo simulation model. The Company estimates the grant-date fair value of stock to be issued under the Company’s Employee Stock Purchase plan (ESPP) using the Black-Scholes model. Compensation expense is recognized over the vesting period of the applicable award using the straight-line method, except for the compensation expense related to RSUs with performance or market conditions (PRSUs), which are recognized ratably for each vesting tranche from the service inception date to the end of the requisite service period. Forfeiture rates are estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.</div><div style="margin-top:9pt;text-align:justify">Contingencies</div><div style="margin-top:9pt;text-align:justify">From time to time the Company is a defendant or plaintiff in various legal actions that arise in the normal course of business. The Company is also subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which it conducts business. In addition, the Company is a party to environmental matters including local, regional, state and federal government clean-up activities at or near locations where the Company currently or has in the past conducted business. The Company is required to assess the likelihood of any adverse judgments or outcomes to these matters as well as potential ranges of reasonably possible losses. A determination of the amount of reserves required for these commitments and contingencies that would be charged to earnings, if any, includes assessing the probability of adverse outcomes and estimating the amount of potential losses. The required reserves, if any, may change due to new developments in each matter or changes in circumstances such as a change in settlement strategy.</div><div style="margin-top:9pt;text-align:justify">Income Taxes</div><div style="margin-top:9pt;text-align:justify">The Company computes the provision for income taxes using the liability method and recognizes deferred tax assets and liabilities for temporary differences between financial statement and income tax bases of assets and liabilities, as well as for operating loss and tax credit carryforwards. The Company measures deferred tax assets and liabilities using tax rates applicable to taxable income in effect for the years in which those tax assets are expected to be realized or settled and provides a valuation allowance against deferred tax assets when it cannot conclude that it is more likely than not that some or all deferred tax assets will be realized. The assessment requires significant judgment and is performed in each of the applicable taxing jurisdictions. In addition, the Company recognizes tax benefits from uncertain tax positions only if it is more likely than not that they will be sustained, based on the technical merits of the positions, on examination by the jurisdictional tax authority. Interest and penalties related to income taxes are recorded within the Income tax provision (benefit) line in the Company’s Consolidated Statements of Operations. The Company is subject to the Global Intangible Low Taxed Income (GILTI) tax in the U.S. and recognizes deferred taxes for temporary basis differences that are expected to reverse as GILTI tax in future years. </div><div style="margin-top:9pt;text-align:justify">Recently Issued Accounting Standard Updates Adopted</div><div style="margin-top:9pt;text-align:justify">In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company’s fiscal year 2024 and interim periods in fiscal year 2025. The Company adopted this standard in the fourth quarter of 2024. See Note 4 - Segment Reporting for further information. </div><div style="margin-top:9pt;text-align:justify">Recently Issued Accounting Standard Updates Not Yet Adopted</div><div style="margin-top:9pt;text-align:justify">In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company’s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.</div><div style="margin-top:9pt;text-align:justify">In November 2024, the FASB issued ASU 2024-03 Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses. The new guidance is intended to provide investors enhanced disclosures and requires public companies to disaggregate key expense types. The update is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The disclosure updates are required to be applied prospectively with the option for retrospective application. The Company is currently evaluating the impact of this new standard on its Consolidated Financial Statements. </div><div style="margin-top:9pt;text-align:justify">Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.</div><div style="margin-top:9pt;text-align:justify">Fiscal Year. The Company uses a 52- or 53-week fiscal year ending on the last Saturday in December. Fiscal years 2024, 2023 and 2022 ended on December 28, 2024, December 30, 2023 and December 31, 2022, respectively. Fiscal years 2024 and 2023 each consisted of 52 weeks, while fiscal year 2022 consisted of 53 weeks.</div><div style="margin-top:9pt;text-align:justify">Principles of Consolidation. The Consolidated Financial Statements include the Company’s accounts and those of its wholly-owned subsidiaries. Upon consolidation, all inter-company accounts and transactions have been eliminated.</div>Reclassification and Change in Presentation. Unbilled receivables of $1.1 billion as of December 30, 2023 were reclassified from within Accounts receivable, net to within Prepaid expenses and other current assets on the Company’s Consolidated Balance Sheets and in the Statements of Cash Flows to conform to current period presentation.1100000000<div style="margin-top:9pt;text-align:justify">Use of Estimates. The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of commitments and contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results are likely to differ from those estimates, and such differences may be material to the financial statements. Areas where management uses subjective judgment include, but are not limited to, revenue allowances, inventory valuation, valuation of goodwill and long-lived and intangible assets, and income taxes.</div><div style="margin-top:9pt;text-align:justify">Revenue Recognition</div><div style="margin-top:9pt;text-align:justify">Revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the Company expects to receive in exchange for those goods or services. Sales, value-added, and other taxes collected concurrently with the provision of goods or services are excluded from revenue. Shipping and handling costs associated with product sales are included in cost of sales. Substantially all of the Company’s revenue is derived from product sales.</div><div style="margin-top:9pt;text-align:justify">Customers are generally required to pay for products and services within the Company’s standard contractual terms, which are typically net 30 to 60 days. The Company has determined that it does not have significant financing components in its contracts with customers.</div><div style="margin-top:9pt;text-align:justify">Non-custom products</div><div style="margin-top:9pt;text-align:justify">The Company transfers control and recognizes revenue when non-custom products are shipped to customers, which includes original equipment manufacturers (OEM) and distributors, in accordance with the shipping terms of the sale. Certain OEMs may be entitled to rights of return and rebates under OEM agreements. The Company also sells to distributors under terms allowing the majority of distributors certain rights of return and price protection on unsold merchandise held by them. The Company estimates the amount of variable consideration under OEM and distributor arrangements and, accordingly, records a provision for product returns, allowances for price protection and rebates based on actual historical experience and any known events. </div><div style="margin-top:9pt;text-align:justify">The Company offers incentive programs to certain customers, including cooperative advertising, marketing promotions, volume-based incentives and special pricing arrangements. Where funds provided for such programs can be estimated, the Company recognizes a reduction to revenue at the time the related revenue is recognized; otherwise, the Company recognizes such reduction to revenue at the later of when: i) the related revenue transaction occurs; or ii) the program is offered. For transactions where the Company reimburses a customer for a portion of the customer’s cost to perform specific product advertising or marketing and promotional activities, such amounts are recognized as a reduction to revenue unless they qualify for expense recognition.</div><div style="margin-top:9pt;text-align:justify">Constraints of variable consideration have not been material.</div><div style="margin-top:9pt;text-align:justify">Custom products</div><div style="margin-top:9pt;text-align:justify">Custom products, which are primarily associated with the Company’s Gaming segment, are sold under non-cancellable purchases orders, for which the Company has an enforceable right to payment, and which have no alternative use to the Company at contract inception, are recognized as revenue, over the time of production of the products by the Company. The Company utilizes a cost-based input method, calculated as cost incurred plus estimated margin, to determine the amount of revenue to recognize for in-process or completed customer orders at a reporting date. The Company believes that a cost-based input method is the most appropriate manner to measure how the Company satisfies its performance obligations to customers because the effort and costs incurred best depict the Company’s satisfaction of its performance obligation.</div><div style="margin-top:9pt;text-align:justify">Sales of custom products are not subject to a right of return and arrangements generally involve a single performance obligation. Generally, there are no variable consideration estimates associated with custom products.</div><div style="margin-top:9pt;text-align:justify">Development and intellectual property licensing agreements</div><div style="margin-top:9pt;text-align:justify">From time to time, the Company may enter into arrangements with customers that combine the provision of development services and a license to the right to use the Company’s IP. These arrangements are deemed to be single or multiple performance obligations based upon the nature of the arrangements. Revenue is recognized upon the transfer of control, over time or at a point in time, depending on the nature of the arrangements. The Company evaluates whether the licensing component is distinct. A licensing component is distinct if it is both (i) capable of being distinct and (ii) distinct in the context of the arrangement. If the license is not distinct, it is combined with the development services as a single performance obligation and recognized over time. If the license is distinct, revenue is recognized at a~~

point in time when the customer has the ability to benefit from the license.</div><div style="margin-top:9pt;text-align:justify">From time to time, the Company may enter into arrangements with customers that solely involve the sale or licensing of its patents or IP. Generally, there are no performance obligations beyond transferring the designated license to the Company's patents or IP. Accordingly, revenue is recognized at a point in time when the customer has the ability to benefit from the license.</div><div style="margin-top:9pt;text-align:justify">There are no variable consideration estimates associated with either combined development and IP arrangements or for standalone arrangements involving either the sale or licensing of IP.</div>P30DP60D<div style="margin-top:9pt;text-align:justify">Inventories</div><div style="margin-top:9pt;text-align:justify">The Company values inventory at standard cost, adjusted to approximate the lower of actual cost or estimated net realizable value using assumptions about future demand and market conditions. In determining excess or obsolescence reserves for its products, the Company considers assumptions such as changes in business and economic conditions, other-than-temporary decreases in demand for its products, and changes in technology or customer requirements. In determining the lower of cost or net realizable value reserves, the Company considers assumptions such as recent historical sales activity and selling prices, as well as estimates of future selling prices. The Company fully reserves for inventories and non-cancellable purchase orders for inventory deemed obsolete. The Company performs periodic reviews of inventory items to identify excess inventories on hand by comparing on-hand balances and non-cancellable purchase orders to anticipated usage using recent historical activity as well as anticipated or forecasted demand. If estimates of customer demand diminish further or market conditions become less favorable than those projected by the Company, additional inventory carrying value adjustments may be required.</div><div style="margin-top:9pt;text-align:justify">Business Combinations</div><div style="margin-top:9pt;text-align:justify">The Company is required to use the acquisition method of accounting for business combinations. The acquisition method of accounting requires the Company to allocate the purchase consideration to the assets acquired and liabilities assumed from the acquiree based on their respective fair values as of the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired and liabilities assumed is recorded as goodwill. When determining the fair values of assets acquired and liabilities assumed, management makes significant estimates and assumptions, especially with respect to intangible assets. Critical estimates in valuing intangible assets include, but are not limited to, expected future revenue growth rates and margins, future changes in technology, time to recreate customer relationships, useful lives, and discount rates. Fair value estimates are based on the assumptions that management believes a market participant would use in pricing the asset or liability. These estimates are inherently uncertain and, therefore, actual results may differ from the estimates made.</div><div style="margin-top:9pt;text-align:justify">Goodwill</div><div style="margin-top:9pt;text-align:justify">The Company performs its goodwill impairment analysis as of the first day of the fourth quarter of each year and, if certain events or circumstances indicate that an impairment loss may have been incurred, on a more frequent basis. The analysis may include both qualitative and quantitative factors to assess the likelihood of an impairment.</div><div style="margin-top:9pt;text-align:justify">The Company has the option to first perform qualitative testing to determine if it is more likely than not that the fair value of a reporting unit exceeds its carrying amount. Qualitative factors include industry and market considerations, overall financial performance, share price trends and market capitalization and Company-specific events. If the Company concludes it is more likely than not that the fair value of a reporting unit exceeds its carrying amount, the Company does not proceed to perform a quantitative impairment test. </div><div style="margin-top:9pt;text-align:justify">If the Company concludes it is more likely than not that the fair value of a reporting unit is less than its carrying value or elects to bypass the qualitative test, a quantitative goodwill impairment test will be performed by comparing the fair value of each reporting unit to its carrying value. If a reporting unit's fair value is determined to be less than its carrying value, a goodwill impairment charge is recognized for the amount by which the reporting unit's fair value is less than its carrying value, not to exceed the total amount of goodwill allocated to that reporting unit.</div><div style="margin-top:9pt;text-align:justify">Long-Lived and Intangible Assets</div><div style="margin-top:9pt;text-align:justify">Long-lived and intangible assets to be held and used are reviewed for impairment if indicators of potential impairment exist and at least annually for indefinite-lived intangible assets. Impairment indicators are reviewed on a quarterly basis. Assets are grouped and evaluated for impairment at the lowest level of identifiable cash flows.</div><div style="margin-top:9pt;text-align:justify">When indicators of impairment exist and assets are held for use, the Company estimates future undiscounted cash flows attributable to the related asset groups. In the event such cash flows are not expected to be sufficient to recover the recorded value of the assets, the assets are written down to their estimated fair values based on the expected discounted future cash flows attributable to the asset group or based on appraisals. Factors affecting impairment of assets held for use include the ability of the specific assets to generate separately identifiable positive cash flows.</div><div style="margin-top:9pt;text-align:justify">When assets are removed from operations and held for sale, the Company estimates impairment losses as the excess of the carrying value of the assets over their fair value. Market conditions are among the factors affecting impairment of assets held for sale. Changes in any of these factors could necessitate impairment recognition in future periods for assets held for use or assets held for sale.</div><div style="margin-top:9pt;text-align:justify">Cash Equivalents</div>Cash equivalents consist of financial instruments that are readily convertible into cash and have original maturities of three months or less at the time of purchase.<div style="margin-top:9pt;text-align:justify">Accounts Receivable</div><div style="margin-top:9pt;text-align:justify">Accounts receivable are primarily comprised of trade receivables presented net of rebates, price protection and an allowance for credit loss. The Company manages its exposure to customer credit risk through credit limits, credit lines, ongoing monitoring procedures and credit approvals. While the Company maintains an allowance for customer credit losses, its accounts receivable write-offs have historically not been significant. </div><div style="margin-top:9pt;text-align:justify">Unbilled Receivables</div><div style="margin-top:9pt;text-align:justify">Unbilled receivables are recorded within Prepaid expenses and other current assets on the Company's Consolidated Balance Sheets. Unbilled receivables primarily represent work completed on development services and on custom products under non-cancellable purchase orders that have no alternative use to the Company at contract inception, recognized as revenue but not yet invoiced to customers.</div><div style="margin-top:9pt;text-align:justify">Investments</div><div style="margin-top:9pt;text-align:justify">Available-for-Sale Debt Securities. Investments in marketable debt securities are available for use in current operations, including those with maturity dates beyond one year, and are classified within current assets on the Consolidated Balance Sheets. Available-for-sale debt securities are recorded at fair value, with the change in unrealized gains and losses, net of tax, reported as a separate component on the Consolidated Statements of Comprehensive Income until realized. Fair value is determined based on quoted market rates when observable or utilizing data points that are observable. Securities with an amortized cost basis in excess of estimated fair value are assessed to determine what amount of the excess, if any, is caused by expected credit losses. Expected credit losses on securities are recognized in other income (expense) on the Consolidated Statements of Operations, and any remaining unrealized losses, net of tax, are included in Accumulated other comprehensive income (loss), in Consolidated Statements of Stockholders' Equity. The Company uses the first-in, first-out method as basis of the cost of securities sold.</div><div style="margin-top:9pt;text-align:justify">Strategic Non-marketable Equity Securities. The Company's investments in non-marketable securities of privately-held companies are held for long-term strategic purposes and are accounted for under the measurement alternative, defined as cost, less impairments, adjusted for subsequent observable price changes and are periodically assessed for impairment when events or circumstances indicate that a decline in value may have occurred. The Company's periodic assessment of impairment is made by considering available evidence, including the investee's general market and industry conditions and product development status. The Company also assesses the investee's ability to meet business milestones, its financial condition, and near-term prospects, including the rate at which the investee is using its cash, the investee's need for possible additional funding at a lower valuation and any bona fide offer to purchase the investee.</div>Fair Value Measurements <div style="margin-top:9pt;text-align:justify">The Company's financial instruments are measured and recorded at fair value on a recurring basis, except for non-marketable equity investments in privately-held companies, which are generally accounted for under the measurement alternative. </div><div style="margin-top:9pt">Fair Value Hierarchy</div><div style="margin-top:9pt;text-align:justify">The fair value framework requires the categorization of assets and liabilities into three levels based upon the assumptions (inputs) used to price the assets or liabilities. The guidance for fair value measurements requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:</div><div style="margin-top:9pt;text-align:justify">Level 1 — Quoted (unadjusted) prices in active markets for identical assets or liabilities.</div><div style="margin-top:9pt;text-align:justify">Level 2 — Observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability.</div>Level 3 — Unobservable inputs to the valuation methodology that are supported by little or no market activity and that are significant to the measurement of the fair value of the assets or liabilities. Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques, as well as significant management judgment or estimation.<div style="margin-top:9pt;text-align:justify">Property and Equipment</div><div style="margin-top:9pt;text-align:justify">Property and equipment are stated at cost. Depreciation and amortization are provided on a straight-line basis over the estimated useful lives of two to 15 years for equipment, 34 to 44 years for buildings, and leasehold improvements are measured by the shorter of the remaining terms of the leases or the estimated useful economic lives of the improvements.</div><div style="margin-top:9pt;text-align:justify">Leases</div><div style="margin-top:9pt;text-align:justify">Operating and finance leases are recorded as right-of-use (ROU) assets and lease liabilities on the Company's Consolidated Balance Sheets. ROU assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's obligation to make lease payments arising from the lease. Operating and finance lease ROU assets and liabilities are initially recognized based on the present value of lease payments over the lease term. In determining the present value of lease payments, the Company uses the implicit interest rate if readily determinable. When the implicit interest rate is not readily determinable, the Company uses its incremental borrowing rate, which is based on its collateralized borrowing capabilities over a similar term of the lease payments. When using the incremental borrowing rate, the Company utilizes the consolidated group incremental borrowing rate. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term. The Company has elected the accounting policy to not recognize ROU assets and lease liabilities that arise from short-term (12 months or less) leases for any class of underlying asset. Operating leases are included in operating lease ROU assets, other current liabilities, and long-term operating lease liabilities on the Company's Consolidated Balance Sheets. The Company's finance leases are immaterial.</div><div style="margin-top:9pt;text-align:justify">Foreign Currency Translation/Transactions</div>The functional currency of the Company's foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in non-U.S. dollars have been remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and historical exchange rates for non-monetary assets and liabilities. Non-U.S. dollar denominated transactions have been remeasured at average exchange rates in effect during each period, except for those cost of sales and expense transactions related to non-monetary balance sheet amounts which have been remeasured at historical exchange rates. The gains or losses from foreign currency remeasurement are included in earnings.<div style="margin-top:9pt;text-align:justify">Marketing and Advertising Expenses</div>Advertising costs are expensed as incurred. In addition, the Company's marketing and advertising expenses include certain cooperative advertising funding obligations under customer incentive programs, which costs are recorded upon agreement with customers and vendor partners. Cooperative advertising expenses are recorded as marketing, general and administrative expense to the extent the cash paid does not exceed the estimated fair value of the advertising benefit received. Any excess of cash paid over the estimated fair value of the advertising benefit received is recorded as a reduction of revenue. Total marketing and advertising expenses for 2024, 2023 and 2022 were approximately $1.2 billion, $695 million and $683 million, respectively.1200000000695000000683000000<div style="margin-top:9pt;text-align:justify">Stock-Based Compensation</div><div style="margin-top:9pt;text-align:justify">The Company estimates stock-based compensation cost for stock options at the grant date based on the option's fair value as calculated by the Black-Scholes model. For time-based restricted stock units (RSUs), fair value is based on the closing price of the Company's common stock on the grant date. The Company estimates the grant-date fair value of RSUs that involve a market condition using the Monte Carlo simulation model. The Company estimates the grant-date fair value of stock to be issued under the Company's Employee Stock Purchase plan (ESPP) using the Black-Scholes model. Compensation expense is recognized over the vesting period of the applicable award using the straight-line method, except for the compensation expense related to RSUs with performance or market conditions (PRSUs), which are recognized ratably for each vesting tranche from the service inception date to the end of the requisite service period. Forfeiture rates are estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.</div><div style="margin-top:9pt;text-align:justify">Contingencies</div><div style="margin-top:9pt;text-align:justify">From time to time the Company is a defendant or plaintiff in various legal actions that arise in the normal course of business. The Company is also subject to income tax, indirect tax or other tax claims by tax agencies in jurisdictions in which it conducts business. In addition, the Company is a party to environmental matters including local, regional, state and federal government clean-up activities at or near locations where the Company currently or has in the past conducted business. The Company is required to assess the likelihood of any adverse judgments or outcomes to these matters as well as potential ranges of reasonably possible losses. A determination of the amount of reserves required for these commitments and contingencies that would be charged to earnings, if any, includes assessing the probability of adverse outcomes and estimating the amount of potential losses. The required reserves, if any, may change due to new developments in each matter or changes in circumstances such as a change in settlement strategy.</div><div style="margin-top:9pt;text-align:justify">Income Taxes</div>The Company computes the provision for income taxes using the liability method and recognizes deferred tax assets and liabilities for temporary differences between financial statement and income tax bases of assets and liabilities, as well as for operating loss and tax credit carryforwards. The Company measures deferred tax assets and liabilities using tax rates applicable to taxable income in effect for the years in which those tax assets are expected to be realized or settled and provides a valuation allowance against deferred tax assets when it cannot conclude that it is more likely than not that some or all deferred tax assets will be realized. The assessment requires significant judgment and is performed in each of the applicable taxing jurisdictions. In addition, the Company recognizes tax benefits from uncertain tax positions only if it is more likely than not that they will be sustained, based on the technical merits of the positions, on examination by the jurisdictional tax authority. Interest and penalties related to income taxes are recorded within the Income tax provision (benefit) line in the Company's Consolidated Statements of Operations. The Company is subject to the Global Intangible Low Taxed Income (GILTI) tax in the U.S. and recognizes deferred taxes for temporary basis differences that are expected to reverse as GILTI tax in future years.<div style="margin-top:9pt;text-align:justify">Recently Issued Accounting Standard Updates Adopted</div><div style="margin-top:9pt;text-align:justify">In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company's fiscal year 2024 and interim periods in fiscal year 2025. The Company adopted this standard in the fourth quarter of 2024. See Note 4 - Segment Reporting for further information. </div><div style="margin-top:9pt;text-align:justify">Recently Issued Accounting Standard Updates Not Yet Adopted</div><div style="margin-top:9pt;text-align:justify">In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company's fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.</div><div style="margin-top:9pt;text-align:justify">In November 2024, the FASB issued ASU 2024-03 Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses. The new guidance is intended to provide investors enhanced disclosures and requires public companies to disaggregate key expense types. The update is effective for fiscal years beginning after December 15, 2026, and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The disclosure updates are required to be applied prospectively with the option for retrospective application. The Company is currently evaluating the impact of this new standard on its Consolidated Financial Statements. </div>Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial StatementsSupplemental Financial Statement Information<div style="margin-top:9pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.958%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.007%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="margin-top:9pt">Inventories</div></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 28,<br/>2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 30,<br/>2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">(In millions)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Raw materials</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">351 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">279 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Work in process</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,289 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,260 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finished goods</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,094 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">812 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total inventories</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,734 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">4,351 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:9pt;text-align:justify"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.958%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.007%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Prepaid Expenses and Other Current Assets</div></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 28,<br/>2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-bottom:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 30,<br/>2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="text-align:center">(In millions)</div></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Unbilled receivables</div></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">628 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom"><span

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style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td
style="width:70.391%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.034%"></td><td style="width:0.1%"></td><td
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family:'Arial',sans-serif;font-size:8pt;font-weight:700;line-height:100%">Number<br/>of Shares</span></td><td colspan="3" style="padding:0 1pt"></td><td
colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">Weighted- Average Grant Date Fair Value</span></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td
colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-
align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:8pt;font-weight:400;line-height:100%"> </span></td><td colspan="3" style="border-
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serif;font-size:8pt;font-weight:700;line-height:100%">(In millions)</span></div></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-
top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3"
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align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Unvested shares as of
December 30, 2023</span></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">32 </span></td><td style="background-color:#cceeff;padding:2px
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color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
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family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">100.65 </span></td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-
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style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">12 </span></td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td
colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</span></td><td style="background-color:#ffffff;padding:2px
0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">141.95 </span></td>
<td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3"
style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-
color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">Forfeited</span></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">
<span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">(1)</span></td><td style="background-
color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td
style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">$</span></td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">107.96 </span></td><td style="background-
color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none">
</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt
2px 7.75pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">Vested</span></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">(13)</span></td><td style="background-color:#ffffff;padding:2px
1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-
color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">$</span></td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">101.35 </span></td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-
align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none">
</td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">
<span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Unvested shares as of December 28, 2024</span></td><td
colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-
align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">30 </span></td><td style="background-
color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3"
style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</span></td><td style="background-color:#cceeff;padding:2px
0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">116.77 </span></td>
<td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3"
style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table></div><div style="margin-top:9pt;text-
align:justify"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The total fair value of time-based RSUs vested
during 2024, 2023 and 2022 was $2.0 billion, $1.1 billion and $889 million, respectively. As of December 28, 2024, the Company had $2.6 billion of total unrecognized
compensation expense related to time-based RSUs, which will be recognized over the weighted-average period of 2.63 years.</span></div><div style="margin-
top:9pt;text-align:justify"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%">PRSUs.</span>
<span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:120%"> The weighted-average grant date fair values of PRSUs granted
during 2024, 2023 and 2022 were $118.98, $134.87 and $121.12, respectively, using the following assumptions:</span></div><div style="margin-top:9pt"><table
style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td
style="width:46.122%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td style="width:0.1%"></td><td
style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td
style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td
style="width:16.008%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-
align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:8pt;font-weight:700;line-height:100%">December 28, 2024</span>
</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:8pt;font-weight:700;line-height:100%">December 30, 2023</span></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3"
style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:8pt;font-weight:700;line-
height:100%">December 31, 2022</span></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Expected volatility</span></td><td colspan="3" style="background-
color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top"><div style="text-align:right"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">52.68% - 53.19%</span></div></td><td colspan="3" style="background-
color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">
<div style="text-align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">51.12% - 56.22%</span></div>
</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid
#000000;padding:2px 1pt;text-align:left;vertical-align:top"><div style="text-align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">50.65% - 53.51%</span></div></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-
align:top"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Risk-free interest rate</span></td><td
colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><div style="text-align:right"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">3.82% - 4.41%</span></div></td><td colspan="3" style="background-color:#ffffff;padding:0
1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><div style="text-align:right"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">4.30% - 4.36%</span></div></td><td colspan="3"
style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><div style="text-
align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">1.14%- 3.17%</span></div></td></tr><tr><td
colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">Expected dividends</span></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-
align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">— </span></td><td
style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">%</span></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-
color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">— </span></td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-
family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">%</span></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td
colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-
serif;font-size:10pt;font-weight:400;line-height:100%">— </span></td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-
align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">%</span></td></tr><tr><td colspan="3"
style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-
weight:400;line-height:100%">Expected term (in years)</span></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-
align:bottom"><div style="text-align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:100%">2.48 -
3.00</span></div></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-
align:left;vertical-align:bottom"><div style="text-align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-
height:100%">2.17 - 3.00</span></div></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-
color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div style="text-align:right"><span style="color:#000000;font-family:'Arial',sans-serif;font-
size:10pt;font-weight:400;line-height:100%">2.07 - 3.07</span></div></td></tr></table></div><div style="margin-top:9pt;text-align:justify"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The Company uses the historical volatility of its common stock and
risk-free interest rate based on the rate for a U.S. Treasury zero-coupon yield curve with a term that approximates the expected life of the PRSUs grant at the date closest
to the grant date. The expected dividend yield is zero as the Company does not expect to pay dividends in the near future. The expected term of PRSUs represents the
requisite service periods of these PRSUs.</span></div><div style="margin-top:9pt;text-align:justify"><span style="color:#000000;font-family:'Arial',sans-serif;font-
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4\86:NCWJE=*R=%5%6(J)I#)@MLHS$^5!#ADP2^0FG@RCWD2&1J>\.!#G_ZY" "K^M#JT M1HJ)+#)@ULB9NFO:-G>CUK9:A^XA3IV*$=AG6>I.:2*/#)A%\CGT#U/J,-!<
M&M^X]G8:+0R0/P;, @F6*\,=[JD'1[EMBC"6ZS6-N@;(*@-FK9Q+9T+]>C$) M\?YT(1T-^!-DDH39)&$ K*UIXY9O;:&U_QV<2!\ZT&4G 4 F29A-@X)I\4$PDE81=*:6LE
M;N5WU2DZ9(^$V1[7S2)TBO/OX1%>O1=7'?TFR",)>S)2U[K9A,VQ2B]6TH5H M4'7+#BDDX<]$8EBEPOCW'8VAZIGU96;_JCGM(' FS M.(++]"RTNULG9['+'KM0M??
JI=P29(V$V1HO&2 REDR)Z, M@)SI:T(QD4*&W,D(RIFZF,@D0V:3O,J9Q+M;&1#\;Y003G0Q2P0F3]V"1%X9 M,GL%)D]=3"29(;-
D8!;0Q42F&3*;9FL6L+5I(O4,F=7S.L[>BHC$,V3/6$# MW:UOY)XALWM@0-O!'"'WC)C=0P/:;54]0L89,1OG=62[%1'99L2^M+(KQ&U1
M*292SHA9.3C$&%),N+K"K!P<8G0PD7)&S,K!F".*B90S8E8.QDPI)G+.B-DY M&#.CF,@[(V;O8,R<8B+OC-@78!!F059DT[XE-
,9*%T[SG/0=!FHYP)C>!T13&1A5)N"VVK=!ET+NX>7V B"Z7< M%MJ".7'AB:YY#)*GF'"EG]E".(VDLDR1A5)F"^$TLH.)+)0R6^@GT[LSU4A= M=4+,%(DG918/7(WK9!
(I$D_*+!Z# FC=TR M))Z,63S;9S4.Q)5T<4F18B+Q9,SBV84Y#<^>K>A*<8;$DS&+9Q=FW&_T7IQ2 M3"2>C%D\NS"?SE-,N,F,?VUG]])V9]S,D'@R9O&$"Q5KS9#_&;"(P:83BV4
M\7I-UWLR9*&,V4+;9@:WF#)#"LJ8%82G!JF"5A\'@^G8=7LQO'\R[EAO:O'=GCHSO5TN;/I^F,[ M7I;]UIW;]7N[K4Z62W/]_8SFZ?%^YN+UZUS_9V*WV>S7]7>W_G.LI_$?@]U'
MU[\/NUK'9O':]MLZKAKW>;A='MSUPS]<)C>+Y[=5TS^_^<;-'200)/,'!0@* M\P^3: M$WCM$6Q/(+9'LCV!V1[1]@1]>V3;$[CM$6Y/(+='NCV!W1[Q]@1Z"^HM!'H+
MZBT$>LODQS:!WH)Z"X'>@GH+@=Z">@N!WH)Z"X'>@GH+@=Z">@N!WH)Z"X'> M ?4.!'H'U#L0Z!U0[T"@=YALEA#H'5#O0*!W0+T#@=X!]0X$>@?4.Q#H'5#O
M0*!W0+T#@=Z*>BN!WHIZ*X'>BGHK@=Z*>BN!WCK9[";06U%O)=!;46\ET%M1 M;R706U%O)=!;46\ET#NBWI% [XAZ1P*](^H="?2.J'A<"O0OJ70CT+JAW(="[H-
Z%0.^">I>?U'L8OPYUN/5\K_'Y/TGU>/ENO3W^ MNOR^.'E[KSB[^XKAZ2]02P,$% @ 6(5%6KCD,TQ& @ C#4 !, !; M0V]N=&5N=%]4>7!E&ULS=M-
;MLP$(;AJQC:!A8C2B2E(LZF[;;-HA=0 M)3H6K#^03.K':^^?8T6[\Z#/WH-\DNA/F# M$+[9V:'VZ33;,:YL)S?4(7YU]V*NFWU];X6\OM:BF<9@Q[ .QQK)
[ZUJ[N:A>^U$/<)0ZJ\.&IMSX]7^*-'J?MMFML M.S4/0SR2^MG9NO4[:\/0IZ>B5^>30[QA>_K,+LY?RIP+C#OOW#3[.#%GWQ_W M,I+CZ?4<"UD7NO.O^)H82U_\?O8X[=:V?
YD=K_?'Y/;+/+Q8'I??\:\S?JW_ MSCXDI(\X K @ $0 @ &O 9&]C4')O<',O8V]R M92YX;6Q02P$"% ,4 " !8A45:F5R<(Q & "<)P $P M@ ', 0 >&PO=&AE;64O=&AE;64Q+GAM;%!+
0(4 Q0 ( %B%15H6;$F[ M,P@ "$R 8 " @0T( !X;"]W;W)K&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5% M6O7>H@'K!0 -AD !@ ("!Y!( 'AL+W=O&P >&PO=V]R:W-H
M965T&UL4$L! A0#% @ 6(5%6G)6)/K! @ [P< !@ M ("!@R( 'AL+W=O&PO=V]R:W-H965T&UL M4$L! A0#% @ 6(5%6OJM73S* P ! @ !@ ("!3SH M 'AL+W=O&UL4$L! A0#%
@ 6(5%6D]@%Z=H!0 E@P !D M ("!XE\ 'AL+W=O&PO=V]R:W-H965T MYN !X;"]W;W)K&UL4$L! A0# M% @ 6(5%6LB[Y]VD!0 ;PT !D ("!/GL 'AL+W=O M&PO=V]R:W-H965T
@< 'P3 9 " @>F& M !X;"]W;W)K&UL4$L! A0#% @ 6(5%6N^W M#EG$!P 510 !D ("!(HX 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6CTK%"CR P ?@D !D M ("!C:,
'AL+W=O&PO M=V]R:W-H965T&U !X;"]W;W)K&UL4$L! A0#% @ 6(5%6J2?4$)K! $PH !D ("! M%[D 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ 6(5%6M)*UU,!"0 9Q8
!D ("!1LX 'AL+W=O&UL4$L! A0#% @ 6(5%6CVMI+'U M P 5!0 !D ("!:-T 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6C/QI&HD! C@H !D M ("!?P,!
'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ 6(5%6F4QSW0U! W0D !D ("!IA(! M 'AL+W=O&PO=V]R:W-H965T,: 0!X;"]W;W)K&UL4$L! A0#% @ M6(5%6LP6RS,( P
WP8 !D ("!1B0! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6A9+JJ(V" MC18 !D ("!)3(! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6MF1=9D/! H!, !D M
("!94(! 'AL+W=O\8,$" H!P &0 @(&K1@$ >&PO=V]R:W-H M965T&UL4$L! M A0#% @ 6(5%6NI:WX 4 P I0@ !D ("!H4P! 'AL M+W=O&PO=V]R:W-H965T&UL4$L! A0#% @
6(5% M6@Z59[C) P N1 !D ("!YE4! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6H1X_[^S! CQT M !D ("!3F4! 'AL+W=O&PO=V]R:W-H965TPLT? M[P, !P7 9 " @>1L
0!X;"]W;W)K&UL4$L! A0#% @ 6(5%6]MT!D-U%@ 7"8! !D M ("!"G$! 'AL+W=O&PO=V]R:W-H965T M+ 0!X;"]W;W)K&UL4$L! A0# M% @ 6(5%6H-"Q&G7!0 \B4 !D ("!DXT!
'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6@%> M->\^ @ &@4 !D ("!J9X! 'AL+W=OH0$ >&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6N\JUH25#@ G; !D M
("!V;D! 'AL+W=O&PO M=V]R:W-H965T;+ 0!X;"]W;W)K&UL4$L! A0#% @ 6(5%6I"3.CI! P R P !D ("! MG\X! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ 6(5%6NT-
"FRM" "3T !D ("!O-H! 'AL+W=O;G 0!X M;"]W;W)K&UL4$L! A0#% @ 6(5%6C_/\31] M! >Q( !D ("!?.T! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ 6(5%6C*22255! H1, !D
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was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not
subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var
e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document:document).getElementById(r);if(ref)
{e=ref.cloneNode(!0); e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function()
{Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var
d,p_;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent)
{a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 117 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /*
v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report
table.authRefData a { display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497;
padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px;
overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */
.report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border:
1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent;
color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space:
normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl
a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-
color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report
.rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles
for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report
.nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text
.big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width:
10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 119 FilingSummary.xml IDEA: XBRL DOCUMENT 3.25.0.1
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Disclosure - Common Stock and Stock-Based Incentive Compensation Plans - Allocation of Recognized Period Costs (Details)", "shortName": "Common Stock and Stock-Based Incentive Compensation Plans - Allocation of Recognized Period Costs (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "72", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "amd-20241228.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:EmployeeServiceShareBasedCompensationTaxBenefitFromCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-6", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "amd-20241228.htm", "unique": true } }, "R73": { "role": "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "longName": "9955555 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r102"] }, "us-gaap_AccruedLiabilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued Liabilities", "label": "Accrued Liabilities [Member]", "documentation": "This item represents obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered." } } }, "auth_ref": ["r102"] }, "amd_AccruedMarketingAndAdvertisingCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "AccruedMarketingAndAdvertisingCurrent", "crdr": "credit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails": { "parentTag": "us-gaap_AccruedLiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued marketing programs", "label": "Accrued Marketing and Advertising, Current", "documentation": "Accrued marketing and advertising, current." } } }, "auth_ref": [] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails": { "parentTag": "us-gaap_PropertyPlantAndEquipmentNet", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Accumulated depreciation", "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } }, "auth_ref": ["r53", "r272", "r914"] }, "us-gaap_AccumulatedGainLossNetCashFlowHedgeParentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedGainLossNetCashFlowHedgeParentMember", "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent", "label": "Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member]", "documentation": "Accumulated other comprehensive income (loss) from gain (loss) of derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness, attributable to parent." } } }, "auth_ref": ["r291", "r300", "r301", "r727", "r1165", "r1393"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossLineItems", "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive Income (Loss) [Line Items]", "label": "Accumulated Other Comprehensive Income (Loss) [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital." } } }, "auth_ref": ["r112"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Additional paid-in capital", "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r979", "r1408", "r1409", "r1410", "r1412", "r1539", "r1618"] }, "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation, Amount", "label": "Adjustment to Compensation Amount" } } }, "auth_ref": ["r1314"] }, "ecd_AdjToCompAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation:", "label": "Adjustment to Compensation [Axis]" } } }, "auth_ref": ["r1314"] }, "ecd_AdjToNonPeoNeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToNonPeoNeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Non-PEO NEO Compensation Footnote", "label": "Adjustment to Non-PEO NEO Compensation Footnote [Text Block]" } } }, "auth_ref": ["r1314"] }, "ecd_AdjToPeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToPeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment To PEO Compensation, Footnote", "label": "Adjustment To PEO Compensation, Footnote [Text Block]" } } }, "auth_ref": ["r1314"] }, "us-gaap_AdjustmentForAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentForAmortization", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows", "http://www.amd.com/role/IntangibleAssetsGoodwillandOtherDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of operating lease right-of-use assets", "label": "Amortization", "documentation": "The aggregate amount of recurring noncash expense charged against earnings in the period to allocate the cost of assets over their estimated remaining economic lives." } } }, "auth_ref": ["r8"] }, "us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue", "crdr": "credit", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation", "label": "APIC, Share-Based Payment Arrangement, Increase for Cost Recognition", "documentation": "Amount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement." } } }, "auth_ref": ["r72", "r73", "r612"] }, "us-gaap_AdjustmentsToAdditionalPaidInCapitalWarrantIssued": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToAdditionalPaidInCapitalWarrantIssued", "crdr": "credit", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock warrants", "label": "Adjustments to Additional Paid in Capital, Warrant Issued", "documentation":

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Such costs include finder's fees; advisory, legal, accounting, valuation, and other professional or consulting fees; general administrative costs, including the costs of maintaining an internal acquisitions department; and may include costs of registering and issuing debt and equity securities." } } }, "auth_ref": ["r74"] }, "us-gaap_BusinessCombinationAndAssetAcquisitionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationAndAssetAcquisitionAbstract", "lang": { "en-us": { "role": { "label": "Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationConsiderationTransferred1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationConsiderationTransferred1", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consideration transferred", "label": "Business Combination, Consideration Transferred", "documentation": "Amount of consideration transferred, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer." } } }, "auth_ref": ["r0", "r1", "r11"] }, "us-gaap_BusinessCombinationConsiderationTransferredEquityInterestsIssuedAndIssuable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationConsiderationTransferredEquityInterestsIssuedAndIssuable", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Consideration transferred", "label": "Business Combination, Consideration Transferred, Equity Interests Issued and Issuable", "documentation": "Amount of equity interests of the acquirer, including instruments or interests issued or issuable in consideration for the business combination." } } }, "auth_ref": ["r0", "r1"] }, "amd_BusinessCombinationConsiderationTransferredEquityInterestsIssuedAndIssuableEntitySharesIssuedPerAcquireeShare": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "BusinessCombinationConsiderationTransferredEquityInterestsIssuedAndIssuableEntitySharesIssuedPerAcquireeShare", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business acquisition, conversion ratio", "label": "Business Combination, Consideration transferred, Equity Interests Issued and Issuable, Entity Shares Issued Per Acquiree Share", "documentation": "Business Combination, Consideration transferred, Equity Interests Issued and Issuable, Entity Shares Issued Per Acquiree Share" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationContingentConsiderationArrangementsRangeOfOutcomesValueHigh": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationContingentConsiderationArrangementsRangeOfOutcomesValueHigh", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High", "label": "Business Combination, Contingent Consideration Arrangements, Range of Outcomes, Value, High", "documentation": "For contingent consideration arrangements recognized in connection with a business combination, this element represents an estimate of the high-end of the potential range (undiscounted) of the consideration which may be paid." } } }, "auth_ref": ["r82"] }, "us-gaap_BusinessCombinationDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationDisclosureTextBlock", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitions"], "lang": { "en-us": { "role": {

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The disclosure may include leverage buyout transactions (as applicable)." } } }, "auth_ref": ["r164", "r716"] }, "us-gaap_BusinessCombinationPriceOfAcquisitionExpected": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationPriceOfAcquisitionExpected", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Price of Acquisition, Expected", "label": "Business Combination, Price of Acquisition, Expected", "documentation": "Purchase price of expected business acquisition prior to consideration being transferred. Excludes asset acquisition." } } }, "auth_ref": ["r1360"] }, "us-gaap_BusinessCombinationProFormaInformationEarningsOrLossOfAcquireeSinceAcquisitionDateActual": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationProFormaInformationEarningsOrLossOfAcquireeSinceAcquisitionDateActual", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Pro Forma Information, Earnings or Loss of Acquiree since Acquisition Date, Actual", "label": "Business Combination, Pro Forma Information, Earnings or Loss of Acquiree since Acquisition Date, Actual", "documentation": "This element represents the amount of earnings or loss of the acquiree since the acquisition date included in the consolidated income statement for the reporting period." } } }, "auth_ref": ["r76"] }, "us-gaap_BusinessCombinationProFormaInformationRevenueOfAcquireeSinceAcquisitionDateActual": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationProFormaInformationRevenueOfAcquireeSinceAcquisitionDateActual", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual", "label": "Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual", "documentation": "This element represents the amount of revenue of the acquiree since the acquisition date included in the consolidated income statement for the reporting period." } } }, "auth_ref": ["r76"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets", "documentation": "Amount of assets acquired at the acquisition date." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCapitalLeaseObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCapitalLeaseObligation", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Asset Acquired and Liability Assumed, Lease Obligation", "label": "Business Combination, Recognized Identifiable Asset Acquired and Liability Assumed, Lease Obligation", "documentation": "Amount of lease obligation assumed in business combination." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions, acquired at the acquisition date. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsMarketableSecurities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsMarketableSecurities", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Marketable Securities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Marketable Securities", "documentation": "Amount of investments in debt and equity securities, including, but not limited to, held-to-maturity, trading and available-for-sale expected to be converted to cash, sold or exchanged within one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsPrepaidExpenseAndOtherAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsPrepaidExpenseAndOtherAssets", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsReceivables": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsReceivables", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities 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"us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIndefiniteLivedIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedIndefiniteLivedIntangibleAssets", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Indefinite-Lived Intangible Assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Indefinite-Lived Intangible Assets", "documentation": "Amount of assets, excluding financial assets and goodwill, that lack physical substance, having a projected indefinite period of benefit, acquired at the acquisition date." } } }, "auth_ref": ["r79"] }, 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Liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities", "documentation": "Amount of liabilities assumed at the acquisition date." } } }, "auth_ref": ["r79"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net", "documentation": "Amount recognized as of the acquisition date for the identifiable assets acquired in excess of (less than) the aggregate liabilities 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combination of entities under common control). This accounting policy may include a general discussion of the purchase method or acquisition method of accounting (including for example, the treatment accorded contingent consideration, the identification of assets and liabilities, the purchase price allocation process, how the fair values of acquired assets and liabilities are determined) and the entity's specific application thereof. An entity that acquires another entity in a leveraged buyout transaction generally discloses the accounting policy followed by the acquiring entity in determining the basis used to value its interest in the acquired entity, and the rationale for that accounting policy." } } }, "auth_ref": ["r165", "r166", "r167", "r168"] }, "country_CA": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "CA", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails", "http://www.amd.com/role/IncomeTaxesSummaryofTaxAttributeCarryforwardsDetails", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "CANADA", "label": "CANADA" } } }, "auth_ref": [] }, "country_CN": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "CN", "presentation": ["http://www.amd.com/role/SegmentReportingExternalCustomersbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails"], "lang": { "en-us": { "role": { "verboseLabel": "CHINA", "terseLabel": "CHINA", "label": "CHINA" } } }, "auth_ref": [] }, "us-gaap_CapitalExpendituresIncurredButNotYetPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalExpendituresIncurredButNotYetPaid", "crdr": "credit", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Purchases of property and equipment, accrued but not paid", "label": "Capital Expenditures Incurred but Not yet Paid", "documentation": "Future cash outflow to pay for purchases of fixed assets that have occurred." } } }, "auth_ref": ["r36", "r37", "r38"] }, "us-gaap_CarryingReportedAmountFairValueDisclosureMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CarryingReportedAmountFairValueDisclosureMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsFinancialInstrumentsNotRecordedatFairvalueDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Carrying Amount", "label": "Reported Value Measurement [Member]", "documentation": "Measured as reported on the statement of financial position (balance sheet)." } } }, "auth_ref": ["r92", "r93"] }, "us-gaap_CashAcquiredFromAcquisition": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAcquiredFromAcquisition", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash Acquired from Acquisition", "label": "Cash Acquired from Acquisition", "documentation": "The cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business)." } } }, "auth_ref": ["r29"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/ConsolidatedBalanceSheets", "http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash and cash equivalents", "verboseLabel": "Cash and cash equivalents", "label": "Cash and Cash Equivalents, at Carrying Value", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r33", "r270", "r1160"] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents [Axis]", "label": "Cash and Cash Equivalents [Axis]", "documentation": "Information by type of cash and cash equivalent balance." } } }, "auth_ref": ["r270"] }, "us-gaap_CashAndCashEquivalentsFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsFairValueDisclosure", "crdr": "debit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents, Fair Value Disclosure", "label": "Cash and Cash Equivalents, Fair Value Disclosure", "documentation": "Fair value portion of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r1541", "r1542"] }, "us-gaap_CashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents", "label": "Cash and Cash Equivalents [Member]", "documentation": "Currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": [] }, "us-gaap_CashAndCashEquivalentsUnrestrictedCashAndCashEquivalentsPolicy": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsUnrestrictedCashAndCashEquivalentsPolicy", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents, Unrestricted Cash and Cash Equivalents, Policy", "label": "Cash and Cash Equivalents, Unrestricted Cash and Cash Equivalents, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for cash and cash equivalents with respect to unrestricted balances." } } }, "auth_ref": ["r34"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "periodStartLabel": "Cash, cash equivalents and restricted cash at beginning of year", "periodEndLabel": "Cash, cash equivalents and restricted cash at end of year", "terseLabel": "Total cash, cash equivalents, and restricted cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r33", "r137", "r313"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Reconciliation of cash, cash equivalents, and restricted cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net increase (decrease) in cash, cash equivalents and restricted cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r2", "r137"] }, "us-gaap_CashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashEquivalentsMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash Equivalents", "label": "Cash Equivalents [Member]", "documentation": "Short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r270"] }, "us-gaap_CashFlowHedgingMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashFlowHedgingMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash Flow Hedging", "label": "Cash Flow Hedging [Member]", "documentation": "Hedge of the exposure to variability in the cash flows of a recognized asset or liability, or of a forecasted transaction, that is attributable to a particular risk." } } }, "auth_ref": ["r85"] }, "us-gaap_CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Non-cash investing and financing activities:", "label": "Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract]" } } }, "auth_ref": [] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Changed Peer Group, Footnote", "label": "Changed Peer Group, Footnote [Text Block]" } } }, "auth_ref": ["r1312"] }, "ecd_ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year", "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]" } } }, "auth_ref": ["r1309"] }, "ecd_ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested", "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]" } } }, "auth_ref": ["r1307"] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "City Area Code", "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "us-gaap_ClassOfStockDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockDomain", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Domain]", "label": "Class of Stock [Domain]", "documentation": "Share of stock differentiated by the voting rights the holder receives. Examples include, but are not limited to, common stock, redeemable preferred stock, nonredeemable preferred stock, and convertible stock." } } }, "auth_ref": ["r216", "r279", "r280", "r281", "r316", "r346", "r347", "r349", "r351", "r358", "r359", "r438", "r531", "r534", "r535", "r536", "r540", "r541", "r572", "r573", "r575", "r576", "r578", "r775", "r972", "r973", "r974", "r975", "r979", "r980", "r981", "r982", "r983", "r984", "r985", "r986", "r987", "r988", "r989", "r990", "r1014", "r1036", "r1054", "r1136", "r1137", "r1138", "r1139", "r1140", "r1353", "r1404", "r1413"] }, "us-gaap_ClassOfStockLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockLineItems", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Line Items]", "label": "Class of Stock [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r279", "r280", "r281", "r358", "r572", "r573", "r574", "r575", "r576", "r577", "r578", "r972", "r973", "r974", "r975", "r1195", "r1353", "r1404"] }, "amd_ClientMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "ClientMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Client", "label": "Client [Member]", "documentation": "Client" } } }, "auth_ref": [] }, "ecd_CoSelectedMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Amount", "label": "Company Selected Measure Amount" } } }, "auth_ref": ["r1313"] }, "ecd_CoSelectedMeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureName", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Name", "label": "Company Selected Measure Name" } } }, "auth_ref": ["r1313"] }, "us-gaap_CommercialPaperMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommercialPaperMember", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Commercial Paper", "label": "Commercial Paper [Member]", "documentation": "Unsecured promissory note (generally negotiable) that provides institutions with short-term funds." } } }, "auth_ref": ["r151", "r530", "r1252", "r1253", "r1254", "r1255"] }, "us-gaap_CommitmentsAndContingencies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingencies", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies (see Notes 17 and 18)", "label": "Commitments and Contingencies", "documentation": "Represents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur." } } }, "auth_ref": ["r107", "r184", "r907", "r1013"] }, "us-gaap_CommitmentsAndContingenciesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies Disclosure [Abstract]", 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"role": { "terseLabel": "Commitments and Guarantees", "label": "Commitments Contingencies and Guarantees [Text Block]", "documentation": "The entire disclosure for commitments, contingencies, and guarantees." } } }, "auth_ref": ["r148", "r149", "r1474"] }, "amd_CommonAndTreasuryStockIssuedMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "CommonAndTreasuryStockIssuedMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "common and treasury stock issued", "label": "common and treasury stock issued [Member]", "documentation": "common and treasury stock issued" } } }, "auth_ref": [] }, "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Common stock", "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r1248", "r1249", "r1250", "r1252", "r1253", "r1254", "r1255", "r1408", "r1409", "r1412", "r1539", "r1611", "r1618"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, par value (USD per share)", "label": "Common Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r111"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares authorized (shares)", "label": "Common Stock, Shares Authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r111", "r1014"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails", "http://www.amd.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares issued (shares)", "periodStartLabel": "Balance, beginning of period (in shares)", "periodEndLabel": "Balance, end of period (in shares)", "label": "Common Stock, Shares, Issued", "documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r111"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "verboseLabel": "Common stock, shares outstanding (shares)", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r13", "r111", "r1014", "r1033", "r1618", "r1619"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Common Stock, Value, Issued", "label": "Common Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r111", "r908", "r1225"] }, "ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]" } } }, "auth_ref": ["r1318"] }, "ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":

"CompActuallyPaidVsNetIncomeTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]" } } }, "auth_ref": ["r1317"] }, "ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid vs. Other Measure [Text Block]" } } }, "auth_ref": ["r1319"] }, "ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]" } } }, "auth_ref": ["r1316"] }, "us-gaap_CompensationAndRetirementDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CompensationAndRetirementDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Retirement Benefits [Abstract]", "label": "Retirement Benefits [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTax", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome"], "lang": { "en-us": { "role": { "totalLabel": "Total comprehensive income", "label": "Comprehensive Income (Loss), Net of Tax, Attributable to Parent", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r27", "r295", "r297", "r304", "r897", "r921", "r922"] }, "us-gaap_ComprehensiveIncomeNoteTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNoteTextBlock", "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLoss"], "lang": { "en-us": { "role": { "terseLabel": "Accumulated Other Comprehensive Income (Loss)", "label": "Comprehensive Income (Loss) Note [Text Block]", "documentation": "The entire disclosure for comprehensive income, which includes, but is not limited to, 1) the amount of income tax expense or benefit allocated to each component of other comprehensive income, including reclassification adjustments, 2) the reclassification adjustments for each classification of other comprehensive income and 3) the ending accumulated balances for each component of comprehensive income." } } }, "auth_ref": ["r121", "r303", "r896", "r919"] }, "us-gaap_ConcentrationRiskBenchmarkDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Domain]", "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a disclosed concentration risk percentage." } } }, "auth_ref": ["r42", "r43", "r94", "r95", "r394", "r1142"] }, "us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Axis]", "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." } } }, "auth_ref": ["r42", "r43", "r94", "r95", "r394", "r963", "r1142"] }, "us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Axis]", "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": ["r42", "r43", "r94", "r95", "r394", "r1142", "r1365"] }, "us-gaap_ConcentrationRiskDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskDisclosureTextBlock", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRisk"], "lang": { "en-us": { "role": { "terseLabel": "Concentrations of Credit and Operation Risk", "label": "Concentration Risk Disclosure [Text Block]", "documentation": "The entire disclosure for any concentrations existing at the date of the financial statements that make an entity vulnerable to a reasonably possible, near-term, severe impact. This disclosure informs financial statement users about the general nature of the risk associated with the concentration, and may indicate the percentage of concentration risk as of the balance sheet date." } } }, "auth_ref": ["r141"] }, "us-gaap_ConcentrationRiskLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskLineItems", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk [Line Items]", "label": "Concentration Risk [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r1142"] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration risk percentage", "label": "Concentration Risk, Percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage derived from the division." } } }, "auth_ref": ["r42", "r43", "r94", "r95", "r394"] }, "us-gaap_ConcentrationRiskTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTable", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk [Table]", "label": "Concentration Risk [Table]", "documentation": "Disclosure of information about concentration risk. Includes, but is not limited to, percentage of concentration risk and benchmark serving as denominator in calculation of percentage of concentration risk." } } }, "auth_ref": ["r41", "r42", "r43", "r44", "r94", "r177", "r1142"] }, "us-gaap_ConcentrationRiskTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTypeDomain", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Domain]", "label": "Concentration Risk Type [Domain]", "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r42", "r43", "r94", "r95", "r394", "r1142"] }, "srt_ConsolidationItemsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidationItemsAxis", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidation Items [Axis]", "label": "Consolidation Items [Axis]", "documentation": "Information by components, eliminations, non-segment corporate-level activity and reconciling items used in consolidating a parent entity and its subsidiaries or its operating segments." } } }, "auth_ref": ["r195", "r217", "r243", "r244", "r245", "r246", "r247", "r248", "r249", "r250", "r251", "r324", "r356", "r366", "r381", "r382", "r383", "r384", "r385", "r387", "r388", "r389", "r531", "r532", "r533", "r534", "r536", "r537", "r538", "r539", "r540", "r1175", "r1176", "r1381", "r1382", "r1482", "r1483"] }, "srt_ConsolidationItemsDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidationItemsDomain", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consolidation Items [Domain]", "label": "Consolidation Items [Domain]", "documentation": "Components, elimination, non-segment corporate-level activity and reconciling items used in consolidating a parent entity and its subsidiaries or its operating segments." } } }, "auth_ref": ["r195", "r217", "r243", "r244", "r245", "r246", "r247", "r248", "r249", "r250", "r251", "r324", "r356", "r366", "r381", "r382", "r383", "r384", "r385", "r387", "r388", "r389", "r531", "r532", "r533", "r534", "r536", "r537", "r538", "r539", "r540", "r1175", "r1176", "r1381", "r1382", "r1482", "r1483"] }, "us-gaap_ConsolidationPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Principles of Consolidation", "label": "Consolidation, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy regarding (1) the principles it follows in consolidating or combining the separate financial statements, including the principles followed in determining the inclusion or exclusion of subsidiaries or other entities in the consolidated or combined financial statements and (2) its treatment of interests (for example, common stock, a partnership interest or other means of exerting influence) in other entities, for example consolidation or use of the equity or cost methods of accounting. The accounting policy may also address the accounting treatment for intercompany accounts and transactions, noncontrolling interest, and the income statement treatment in consolidation for issuances of stock by a subsidiary." } } }, "auth_ref": ["r84", "r1166"] }, "us-gaap_ConstructionInProgressGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConstructionInProgressGross", "crdr": "debit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails": { "parentTag": "us-gaap_PropertyPlantAndEquipmentGross", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Construction in progress", "label": "Construction in Progress, Gross", "documentation": "Amount of structure or a modification to a structure under construction. Includes recently completed structures or modifications to structures that have not been placed into service." } } }, "auth_ref": ["r146"] }, "us-gaap_ConvertibleDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtMember", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/EarningsPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Debt", "label": "Convertible Debt [Member]", "documentation": "Borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock." } } }, "auth_ref": ["r152", "r543", "r544", "r554", "r555", "r556", "r560", "r561", "r562", "r563", "r564", "r1190", "r1191", "r1192", "r1193", "r1194"] }, "us-gaap_ConvertibleDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtSecuritiesMember", "presentation": ["http://www.amd.com/role/EarningsPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Debt Securities [Member]", "label": "Convertible Debt Securities [Member]", "documentation": "Debt securities that can be exchanged for equity of the debt issuer at the option of the issuer or the holder." } } }, "auth_ref": ["r1489"] }, "us-gaap_ConvertibleDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebtTableTextBlock", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityTables"], "lang": { "en-us": { "role": { "terseLabel": "Convertible Debt", "label": "Convertible Debt [Table Text Block]", "documentation": "Tabular disclosure of convertible debt instrument. Includes, but is not limited to, principal amount and amortized premium or discount." } } }, "auth_ref": [] }, "us-gaap_CorporateJointVentureMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CorporateJointVentureMember", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Joint Venture", "label": "Corporate Joint Venture [Member]", "documentation": "Corporation owned and operated by a small group of ventures to accomplish a mutually beneficial venture or project." } } }, "auth_ref": [] }, "us-gaap_CostDepreciationAmortizationAndDepletion": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostDepreciationAmortizationAndDepletion", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_CostOfGoodsAndServicesSold", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Cost, Depreciation, Amortization and Depletion", "label": "Cost, Depreciation, Amortization and Depletion", "documentation": "Amount of expense for allocation of cost of tangible and intangible assets over their useful lives, and reduction in quantity of natural resource due to consumption directly used in production of good and rendering of service." } } }, "auth_ref": ["r1396"] }, "us-gaap_CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_CostOfGoodsAndServicesSold", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Cost of sales", "label": "Cost of Goods and Service, Excluding Depreciation, Depletion, and Amortization", "documentation": "Cost of product sold and service rendered, excluding depreciation, depletion, and amortization." } } }, "auth_ref": ["r1367", "r1368"] }, "us-gaap_CostOfGoodsAndServicesSold": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfGoodsAndServicesSold", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_GrossProfit", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "totalLabel": "Total cost of sales", "label": "Cost of Goods and Services Sold", "documentation": "The aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": ["r126", "r127", "r852"] }, "us-gaap_CostOfSalesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":

"CostOfSalesMember", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cost of sales", "label": "Cost of Sales [Member]", "documentation": "Primary financial statement caption encompassing cost of sales." } } }, "auth_ref": [] }, "srt_CounterpartyNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CounterpartyNameAxis", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Axis]", "label": "Counterparty Name [Axis]", "documentation": "Information by name of counterparty. A counterparty is the other party that participates in a financial transaction. Examples include, but not limited to, the name of the financial institution." } } }, "auth_ref": ["r252", "r253", "r322", "r323", "r546", "r574", "r814", "r834", "r902", "r1162", "r1164"] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "terseLabel": "Cover [Abstract]", "label": "Cover [Abstract]", "documentation": "Cover page." } } }, "auth_ref": [] }, "us-gaap_CreditFacilityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityAxis", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Axis]", "label": "Credit Facility [Axis]", "documentation": "Information by type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": ["r530", "r1480"] }, "us-gaap_CreditFacilityDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityDomain", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Domain]", "label": "Credit Facility [Domain]", "documentation": "Type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": ["r530", "r1480", "r1481"] }, "srt_CumulativeEffectPeriodOfAdoptionAdjustmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CumulativeEffectPeriodOfAdoptionAdjustmentMember", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Cumulative Effect, Period of Adoption, Adjustment", "label": "Cumulative Effect, Period of Adoption, Adjustment [Member]", "documentation": "Increase (decrease) to financial statements for cumulative-effect adjustment in period of adoption of amendment to accounting standards." } } }, "auth_ref": ["r256", "r261", "r328", "r335", "r342", "r443", "r449", "r492", "r692", "r693", "r707", "r709", "r734", "r736", "r737", "r739", "r740", "r741", "r746", "r749", "r751", "r752", "r808"] }, "srt_CumulativeEffectPeriodOfAdoptionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CumulativeEffectPeriodOfAdoptionAxis", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Cumulative Effect, Period of Adoption [Axis]", "label": "Cumulative Effect, Period of Adoption [Axis]", "documentation": "Information by cumulative-effect adjustment to financial statements in period of adoption of amendment to accounting standards." } } }, "auth_ref": ["r256", "r261", "r328", "r335", "r342", "r443", "r449", "r492", "r692", "r693", "r707", "r709", "r734", "r736", "r737", "r739", "r740", "r741", "r746", "r749", "r751", "r752", "r808"] }, "srt_CumulativeEffectPeriodOfAdoptionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CumulativeEffectPeriodOfAdoptionDomain", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Cumulative Effect, Period of Adoption [Domain]", "label": "Cumulative Effect, Period of Adoption [Domain]", "documentation": "Cumulative-effect adjustment to financial statements in period of adoption of amendment to accounting standards." } } }, "auth_ref": ["r256", "r261", "r328", "r335", "r342", "r443", "r449", "r492", "r692", "r693", "r707", "r709", "r734", "r736", "r737", "r739", "r740", "r741", "r746", "r749", "r751", "r752", "r808"] }, "us-gaap_CurrentFederalTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentFederalTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails": { "parentTag": "us-gaap_CurrentIncomeTaxExpenseBenefit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "U.S. federal", "label": "Current Federal Tax Expense (Benefit)", "documentation": "Amount of current federal tax expense (benefit) attributable to income (loss) from continuing operations. Includes, but is not limited to, current national tax expense (benefit) for non-US (United States of America) jurisdiction." } } }, "auth_ref": ["r1366", "r1407", "r1531"] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Current Fiscal Year End Date", "label": "Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [] }, "us-gaap_CurrentForeignTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentForeignTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails": { "parentTag": "us-gaap_CurrentIncomeTaxExpenseBenefit", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Non-U.S.", "label": "Current Foreign Tax Expense (Benefit)", "documentation": "Amount of current foreign income tax expense (benefit) pertaining to income (loss) from continuing operations." } } }, "auth_ref": ["r1366", "r1407"] }, "us-gaap_CurrentIncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentIncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails": { "parentTag": "us-gaap_IncomeTaxExpenseBenefit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total", "label": "Current Income Tax Expense (Benefit)", "documentation": "Amount of current income tax expense (benefit) pertaining to taxable income (loss) from continuing operations." } } }, "auth_ref": ["r691", "r1407"] }, "us-gaap_CurrentIncomeTaxExpenseBenefitContinuingOperationsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentIncomeTaxExpenseBenefitContinuingOperationsAbstract", "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Current:", "label": "Current Income Tax Expense (Benefit), Continuing Operations [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CurrentStateAndLocalTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CurrentStateAndLocalTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails": { "parentTag": "us-gaap_CurrentIncomeTaxExpenseBenefit", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "U.S. state and local", "label": "Current State and Local Tax Expense (Benefit)", "documentation": "Amount of current state and local tax expense (benefit) attributable to income (loss) from continuing operations. Includes, but is not limited to, current regional, territorial, and provincial tax expense (benefit) for non-US (United States of America) jurisdiction." } } }, "auth_ref": ["r1366", "r1407", "r1531"] }, "amd_CustomerAMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "CustomerAMember", "presentation": ["http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer A", "label": "Customer A [Member]", "documentation": "Customer A [Member]" } } }, "auth_ref": [] }, "amd_CustomerCMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "CustomerCMember", "presentation": ["http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer C", "label": "Customer C [Member]", "documentation": "Customer C" } } }, "auth_ref": [] }, "us-gaap_CustomerConcentrationRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CustomerConcentrationRiskMember", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer Concentration Risk", "label": "Customer Concentration Risk [Member]", "documentation": "Reflects the percentage that revenues in the period from one or more significant customers is to net revenues, as defined by the entity, such as total net revenues, product line revenues, segment revenues. The risk is the materially adverse effects of loss of a significant customer." } } }, "auth_ref": ["r142", "r394"] }, "us-gaap_CustomerContractsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CustomerContractsMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer Contracts", "label": "Customer Contracts [Member]", "documentation": "Entity's established relationships with its customers through contracts." } } }, "auth_ref": ["r81", "r1453", "r1455", "r1456", "r1457", "r1459", "r1460", "r1463", "r1464"] }, "amd_CustomerPaymentDueStandardContractualTerm": { "xbrltype": "durationItemType", "nsuri": "http://www.amd.com/20241228", "localname": "CustomerPaymentDueStandardContractualTerm", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer payment due, standard contractual term", "label": "Customer Payment Due, Standard Contractual Term", "documentation": "Customer Payment Due, Standard Contractual Term" } } }, "auth_ref": [] }, "amd_CustomerProgramLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "CustomerProgramLiabilities", "crdr": "credit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails": { "parentTag": "us-gaap_AccruedLiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer program liabilities", "label": "Customer program liabilities", "documentation": "Customer program liabilities" } } }, "auth_ref": [] }, "us-gaap_CustomerRelationshipsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CustomerRelationshipsMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer Relationships", "label": "Customer Relationships [Member]", "documentation": "Customer relationship that exists between an entity and its customer, for example, but not limited to, tenant relationships." } } }, "auth_ref": ["r81", "r1453", "r1455", "r1456", "r1457", "r1459", "r1460", "r1463", "r1464"] }, "amd_DatacenterMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "DatacenterMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Datacenter", "label": "Datacenter [Member]", "documentation": "Datacenter" } } }, "auth_ref": [] }, "us-gaap_DebtAndCapitalLeasesDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtAndCapitalLeasesDisclosuresTextBlock", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacility"], "lang": { "en-us": { "role": { "terseLabel": "Debt and Revolving Credit Facility", "label": "Debt and Capital Leases Disclosures [Text Block]", "documentation": "The entire disclosure for debt and capital lease obligations can be reported. Information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. Also includes descriptions and amounts of capital leasing arrangements that consist of direct financing, sales type and leveraged leases. Disclosure may include the effect on the balance sheet and the income statement resulting from a change in lease classification for leases that at inception would have been classified differently had guidance been in effect at the inception of the original lease." } } }, "auth_ref": ["r198", "r199"] }, "us-gaap_DebtConversionConvertedInstrumentSharesIssued1": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtConversionConvertedInstrumentSharesIssued1", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock to partially settle convertible debt (in shares)", "label": "Debt Conversion, Converted Instrument, Shares Issued", "documentation": "The number of shares issued in exchange for the original debt being converted in a noncash (or part noncash) transaction. \"Part noncash\" refers to that portion of the transaction not resulting in cash receipts or payments in the period." } } }, "auth_ref": ["r36", "r38"] }, "us-gaap_DebtDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Debt Disclosure [Abstract]", "label": "Debt Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DebtDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureTextBlock", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacility"], "lang": { "en-us": { "role": { "terseLabel": "Debt Disclosure", "label": "Debt Disclosure [Text Block]", "documentation": "The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants." } } }, "auth_ref": ["r150", "r315", "r495", "r496", "r497", "r498", "r499", "r529", "r530", "r542", "r548", "r549", "r550", "r551", "r552", "r553", "r558", "r565", "r566", "r568", "r786"] }, "us-gaap_DebtInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentAxis", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityInterestExpenseRecognizedDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails", "http://www.amd.com/role/EarningsPerShareDetails"], "lang": {

"en-us": { "role": { "terseLabel": "Debt Instrument [Axis]", "label": "Debt Instrument [Axis]", "documentation": "Information by type of debt instrument, including, but not limited to, draws against credit facilities." } } }, "auth_ref": ["r22", "r101", "r102", "r179", "r183", "r324", "r543", "r544", "r545", "r546", "r547", "r549", "r554", "r555", "r556", "r557", "r559", "r560", "r561", "r562", "r563", "r564", "r1190", "r1191", "r1192", "r1193", "r1194", "r1223", "r1405", "r1467", "r1468", "r1469", "r1559", "r1561"] }, "us-gaap_DebtInstrumentCarryingAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentCarryingAmount", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails": { "parentTag": "us-gaap_DebtLongtermAndShorttermCombinedAmount", "weight": 1.0, "order": 1.0 }, "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Total debt", "terseLabel": "Total", "totalLabel": "Total", "label": "Long-Term Debt, Gross", "documentation": "Amount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt." } } }, "auth_ref": ["r22", "r183", "r569"] }, "us-gaap_DebtInstrumentConvertibleCarryingAmountOfTheEquityComponent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleCarryingAmountOfTheEquityComponent", "crdr": "credit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Carrying amount of the equity component, net", "label": "Debt Instrument, Convertible, Carrying Amount of Equity Component", "documentation": "The carrying amount of the equity component of convertible debt which may be settled in cash upon conversion." } } }, "auth_ref": ["r58"] }, "amd_DebtInstrumentConvertibleConversionPeriodAfterThresholdPeriodDays": { "xbrltype": "integerItemType", "nsuri": "http://www.amd.com/20241228", "localname": "DebtInstrumentConvertibleConversionPeriodAfterThresholdPeriodDays", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Conversion period after threshold period days", "label": "Debt Instrument, Convertible, Conversion Period After Threshold Period Days", "documentation": "Debt Instrument, Convertible, Conversion Period After Threshold Period of specified consecutive trading days within which common stock price to conversion price of convertible debt instruments must exceed threshold percentage for a specified number of trading days to trigger conversion feature." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentConvertibleConversionPrice1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleConversionPrice1", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Conversion price (USD per share)", "label": "Debt Instrument, Convertible, Conversion Price", "documentation": "The price per share of the conversion feature embedded in the debt instrument." } } }, "auth_ref": ["r153", "r545"] }, "us-gaap_DebtInstrumentConvertibleIfConvertedValueInExcessOfPrincipal": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleIfConvertedValueInExcessOfPrincipal", "crdr": "credit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "If-converted value in excess of principal", "label": "Debt Instrument, Convertible, If-converted Value in Excess of Principal", "documentation": "The amount by which the convertible debt's if-converted value exceeds its principle amount at the balance sheet date, regardless of whether the instrument is currently convertible. This element applies to public companies only." } } }, "auth_ref": ["r59"] }, "us-gaap_DebtInstrumentConvertibleThresholdConsecutiveTradingDays1": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleThresholdConsecutiveTradingDays1", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Threshold consecutive trading days", "label": "Debt Instrument, Convertible, Threshold Consecutive Trading Days", "documentation": "Threshold period of specified consecutive trading days within which common stock price to conversion price of convertible debt instrument must exceed threshold percentage for specified number of trading days to trigger conversion feature." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentConvertibleThresholdPercentageOfStockPriceTrigger": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleThresholdPercentageOfStockPriceTrigger", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Threshold percentage of stock price trigger", "label": "Debt Instrument, Convertible, Threshold Percentage of Stock Price Trigger", "documentation": "Minimum percentage of common stock price to conversion price of convertible debt instruments to determine eligibility of conversion." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentConvertibleThresholdTradingDays": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentConvertibleThresholdTradingDays", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Convertible, threshold trading days", "label": "Debt Instrument, Convertible, Threshold Trading Days", "documentation": "Threshold number of specified trading days that common stock price to conversion price of convertible debt instruments must exceed threshold percentage within a specified consecutive trading period to trigger conversion feature." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentFaceAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFaceAmount", "crdr": "credit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate principal amount", "label": "Debt Instrument, Face Amount", "documentation": "Face (par) amount of debt instrument at time of issuance." } } }, "auth_ref": ["r543", "r786", "r787", "r1191", "r1192", "r1223"] }, "us-gaap_DebtInstrumentInterestRateEffectivePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentInterestRateEffectivePercentage", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Effective interest rate", "label": "Debt Instrument, Interest Rate, Effective Percentage", "documentation": "Effective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium." } } }, "auth_ref": ["r104", "r571", "r786", "r787", "r1223"] }, "us-gaap_DebtInstrumentInterestRateStatedPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentInterestRateStatedPercentage", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails", "http://www.amd.com/role/EarningsPerShareDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest rate, stated percentage", "label": "Debt Instrument, Interest Rate, Stated Percentage", "documentation": "Contractual interest rate for funds borrowed, under the debt agreement." } } }, "auth_ref": ["r104", "r544"] }, "us-gaap_DebtInstrumentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentLineItems", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityInterestExpenseRecognizedDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument [Line Items]", "label": "Debt Instrument [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r324", "r543", "r544", "r545", "r546", "r547", "r549", "r554", "r555", "r556", "r557", "r559", "r560", "r561", "r562", "r563", "r564", "r567", "r1190", "r1191", "r1192", "r1193", "r1194", "r1223", "r1405", "r1559", "r1561"] }, "us-gaap_DebtInstrumentNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentNameDomain", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityInterestExpenseRecognizedDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails", "http://www.amd.com/role/EarningsPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Name [Domain]", "label": "Debt Instrument, Name [Domain]", "documentation": 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investment in debt security measured at amortized cost (held-to-maturity) and investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)." } } }, "auth_ref": ["r1425", "r1431"] }, "amd_DebtSecuritiesAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterFiveYearsFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "DebtSecuritiesAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterFiveYearsFairValue", "crdr": "debit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value", "label": "Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value", "documentation": "Debt Securities, Available-for-sale, maturity, allocated and single maturity date, rolling after five years, fair value" } } }, "auth_ref": [] }, "amd_DebtSecurityAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterFiveYearsAmortizedCost": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "DebtSecurityAvailableForSaleMaturityAllocatedAndSingleMaturityDateRollingAfterFiveYearsAmortizedCost", "crdr": "debit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Debt Security, Available-for-sale, Maturity, Allocated and Single maturity date, rolling after five years, amortized cost", "label": "Debt 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Includes, but is not limited to, deferred national tax expense (benefit) for non-US (United States of America) jurisdiction." } } }, "auth_ref": ["r1407", "r1530", "r1531"] }, "us-gaap_DeferredForeignIncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredForeignIncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails": { "parentTag": "us-gaap_DeferredIncomeTaxExpenseBenefit", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Non-U.S.", "label": "Deferred Foreign Income Tax Expense (Benefit)", "documentation": "Amount of deferred foreign income tax expense (benefit) pertaining to income (loss) from continuing operations." } } }, "auth_ref": ["r1407", "r1530"] }, "us-gaap_DeferredIncomeTaxAssetsNet": { 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Includes, but is not limited to, deferred regional, territorial, and provincial tax expense (benefit) for non-US (United States of America) jurisdiction." } } }, "auth_ref": ["r1407", "r1530", "r1531"] }, "us-gaap_DeferredTaxAssetDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredTaxAssetDomain", "presentation": ["http://www.amd.com/role/IncomeTaxesMovementinDeferredTaxValuationAllowanceDetails"], "lang": { "en-us": { "role": { "terseLabel": "Deferred Tax Asset [Domain]", "label": "Deferred Tax Asset [Domain]", "documentation": "Identification of the deferred tax asset for which a valuation reserve exists." } } }, "auth_ref": ["r1526"] }, "amd_DeferredTaxAssetLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "DeferredTaxAssetLeaseLiability", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofDeferredTaxAssetsandLiabilitiesDetails": { "parentTag": 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Includes production and non-production related depreciation." } } }, "auth_ref": ["r8", "r52"] }, "us-gaap_DerivativeContractTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeContractTypeDomain", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative Contract [Domain]", "label": "Derivative Contract [Domain]", "documentation": "Financial instrument or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset." } } }, "auth_ref": ["r1001", "r1004", "r1019", "r1020", "r1021", "r1023", "r1024", "r1025", "r1026", "r1028", "r1029", "r1030", "r1031", "r1042", "r1043", "r1044", "r1045", "r1048", "r1049", "r1050", "r1051", "r1108", "r1109", "r1110", "r1111", "r1248", "r1250", "r1546", "r1547", "r1548", "r1549", "r1550", "r1551", "r1553", "r1554"] }, "us-gaap_DerivativeFairValueOfDerivativeAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeFairValueOfDerivativeAsset", "crdr": "debit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Derivative Asset, Subject to Master Netting Arrangement, before Offset", "label": "Derivative Asset, Subject to Master Netting Arrangement, before Offset", "documentation": "Fair value, before effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets elected not to be offset. 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Includes, but is not limited to, national jurisdiction for non-U.S. jurisdiction." } } }, "auth_ref": ["r661"] }, "ecd_DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year", "label": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member]" } } }, "auth_ref": ["r1311"] }, "us-gaap_EarliestTaxYearMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarliestTaxYearMember", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": 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Excludes expense determined to be nondeductible upon grant or after for award under share-based payment arrangement." } } }, "auth_ref": ["r1361", "r1520", "r1521"] }, "amd_EmbeddedMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "EmbeddedMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Embedded", "label": "Embedded [Member]", "documentation": "Embedded" } } }, "auth_ref": [] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails": { "parentTag": "us-gaap_AccruedLiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofAccruedLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued compensation and benefits", "label": "Employee-related Liabilities, Current", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r102"] }, "us-gaap_EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-based Compensation, Allocation of Recognized Period Costs [Line Items]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes share and unit options." } } }, "auth_ref": ["r1516"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions", "crdr": "debit", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unrecognized compensation expense", "label": "Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount", "documentation": "Amount of cost to be recognized for option under share-based payment arrangement." } } }, "auth_ref": ["r1516"] }, "us-gaap_EmployeeServiceShareBasedCompensationTaxBenefitFromCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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"A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": ["r1263"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth

Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r1263"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r1263"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r1351"] }, "dei_EntityPublicFloat": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPublicFloat", "crdr": "credit", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Public Float", "label": "Entity Public Float", "documentation": "The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter." } } }, "auth_ref": [] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r1263"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Shell Company", "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r1263"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Small Business", "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r1263"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Tax Identification Number", "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r1263"] }, "dei_EntityVoluntaryFilers": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityVoluntaryFilers", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Voluntary Filers", "label": "Entity Voluntary Filers", "documentation": "Indicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act." } } }, "auth_ref": [] }, "dei_EntityWellKnownSeasonedIssuer": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityWellKnownSeasonedIssuer", "presentation": ["http://www.amd.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Well-known Seasoned Issuer", "label": "Entity Well-known Seasoned Issuer", "documentation": "Indicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A." } } }, "auth_ref": ["r1352"] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Footnote", "label": "Equity Awards Adjustments, Footnote [Text Block]" } } }, "auth_ref": ["r1305"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table", "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]" } } }, "auth_ref": ["r1347"] }, "ecd_EqtyAwrdsAdjsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments", "label": "Equity Awards Adjustments [Member]" } } }, "auth_ref": ["r1347"] }, "ecd_EqtyAwrdsInSummryCompstnTblForAplblYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsInSummryCompstnTblForAplblYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table", "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]" } } }, "auth_ref": ["r1347"] }, "us-gaap_EquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquipmentMember", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equipment", "label": "Equipment [Member]", "documentation": "Tangible personal property used to produce goods and services." } } }, "auth_ref": [] }, "us-gaap_EquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityAbstract", "lang": { "en-us": { "role": { "terseLabel": "Equity [Abstract]", "label": "Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Equity Component [Domain]", "label": "Equity Component [Domain]", "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r13", "r261", "r299", "r300", "r301", "r325", "r326", "r327", "r330", "r337", "r339", "r341", "r357", "r443", "r449", "r492", "r579", "r692", "r693", "r707", "r708", "r709", "r712", "r723", "r724", "r734", "r736", "r737", "r738", "r739", "r741", "r751", "r777", "r778", "r779", "r780", "r781", "r782", "r789", "r791", "r810", "r919", "r952", "r953", "r954", "r979", "r1054"] }, "srt_EquityMethodInvesteeNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "EquityMethodInvesteeNameDomain", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Domain]", "label": "Investment, Name [Domain]", "documentation": "Name of investment including named security. 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Such information may include the amount of change for a change in ownership (equity) percentage in a given period and the amount and type of the consideration given or received in relation to the change in ownership." } } }, "auth_ref": [] }, "us-gaap_EquityMethodInvestmentNonconsolidatedInvesteeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentNonconsolidatedInvesteeAxis", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investment, Nonconsolidated Investee [Axis]", "label": "Equity Method Investment, Nonconsolidated Investee [Axis]", "documentation": "Information by nonconsolidated equity method investee. 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This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized." } } }, "auth_ref": ["r356", "r375", "r387", "r433", "r1387", "r1438"] }, "us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsAndJointVenturesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investments and Joint Ventures [Abstract]", "label": "Equity Method Investments and Joint Ventures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityMethodInvestmentsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentsDisclosureTextBlock", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVentures"], "lang": { "en-us": { "role": { "terseLabel": "Related Parties - Equity Joint Ventures", "label": "Equity Method Investments and Joint Ventures Disclosure [Text Block]", "documentation": "The entire disclosure for equity method investments and joint ventures. Equity method investments are investments that give the investor the ability to exercise significant influence over the operating and financial policies of an investee. Joint ventures are entities owned and operated by a small group of businesses as a separate and specific business or project for the mutual benefit of the members of the group." } } }, "auth_ref": ["r214", "r436", "r439", "r1358"] }, "us-gaap_EquitySecuritiesFvNiGainLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNiGainLoss", "crdr": "credit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity Securities, FV-NI, Gain (Loss)", "label": "Equity Securities, FV-NI, Gain (Loss)", "documentation": "Amount of unrealized and realized gain (loss) on investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." } } }, "auth_ref": ["r925", "r1437"] }, "us-gaap_EquitySecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Equity Securities", "label": "Equity Securities [Member]", "documentation": "Ownership interest or right to acquire or dispose of ownership interest in corporations and other legal entities for which ownership interest is represented by shares of common or preferred stock, convertible securities, stock rights, or stock warrants." } } }, "auth_ref": ["r51", "r1226", "r1256", "r1257", "r1258", "r1621"] }, "us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueAmount", "crdr": "debit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": {

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The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r1541", "r1542"] }, "us-gaap_FairValueAssetsMeasuredOnRecurringBasisUnobservableInputReconciliationByAssetClassDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsMeasuredOnRecurringBasisUnobservableInputReconciliationByAssetClassDomain", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { 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This disclosure may include identification of the fiscal period end-date, the length of the fiscal period, any reporting period lag between the entity and its subsidiaries, or equity investees. If a reporting lag exists, the closing date of the entity having a different period end is generally noted, along with an explanation of the necessity for using different closing dates. Any intervening events that materially affect the entity's financial position or results of operations are generally also disclosed." } } }, "auth_ref": ["r83"] }, "us-gaap_ForeignCountryMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignCountryMember", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails", "http://www.amd.com/role/IncomeTaxesSummaryofTaxAttributeCarryforwardsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Canada Tax Authority", "label": "Foreign Tax Jurisdiction [Member]", "documentation": "Designated foreign jurisdiction entitled to levy and collect income tax outside country of domicile." } } }, "auth_ref": ["r661", "r662"] }, "us-gaap_ForeignCurrencyTransactionsAndTranslationsPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ForeignCurrencyTransactionsAndTranslationsPolicyTextBlock", "presentation": 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Excludes state and local income tax expense (benefit), federal tax expense (benefit), statutory income tax expense (benefit) outside of country of domicile, tax credit, nondeductible expense, deduction, income tax settlement, income tax contingency, and cross-border tax law." } } }, "auth_ref": ["r1520", "r1521"] }, "us-gaap_IncomeTaxReconciliationStateAndLocalIncomeTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationStateAndLocalIncomeTaxes", "crdr": "debit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofEffectiveIncomeTaxRateReconciliationDetails": { "parentTag": "us-gaap_IncomeTaxExpenseBenefit", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofEffectiveIncomeTaxRateReconciliationDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount", "label": "Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to state and local income tax expense (benefit)." } } }, "auth_ref": ["r664", "r1210", "r1520"] }, "us-gaap_IncomeTaxReconciliationTaxCredits": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationTaxCredits", "crdr": "credit", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Research credits", "label": "Effective Income Tax Rate Reconciliation, Tax Credit, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to tax credits. Including, but not limited to, research credit, foreign tax credit, investment tax credit, and other tax credits." } } }, "auth_ref": ["r666", "r668", "r1520"] }, "us-gaap_IncomeTaxReconciliationTaxCreditsResearch": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxReconciliationTaxCreditsResearch", "crdr": "credit", "calculation": { "http://www.amd.com/role/IncomeTaxesScheduleofEffectiveIncomeTaxRateReconciliationDetails": { "parentTag": "us-gaap_IncomeTaxExpenseBenefit", "weight": -1.0, "order": 7.0 } }, "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails", "http://www.amd.com/role/IncomeTaxesScheduleofEffectiveIncomeTaxRateReconciliationDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount", "terseLabel": "Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount", "label": "Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount", "documentation": "Amount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to research tax credit." } } }, "auth_ref": ["r1210", "r1520", "r1522"] }, "amd_IncomeTaxRefundsfromforeignJurisdictionrelatedtolegalsettlement": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "IncomeTaxRefundsfromforeignJurisdictionrelatedtolegalsettlement", "crdr": "debit", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails", "http://www.amd.com/role/IncomeTaxesScheduleofEffectiveIncomeTaxRateReconciliationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Income tax refunds from foreign jurisdiction related to legal settlement", "label": "Income Tax Refunds from foreign Jurisdiction related to legal settlement", "documentation": "The 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parent; an entity and trust for the benefit of employees, such as pension and profit-sharing trusts that are managed by or under the trusteeship of the entities' management; an entity and its principal owners, management, or member of their immediate families; affiliates; or other parties with the ability to exert significant influence." } } }, "auth_ref": ["r7"] }, "us-gaap_IncreaseDecreaseInEquitySecuritiesFvNi": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInEquitySecuritiesFvNi", "crdr": "credit", "calculation": { "http://www.amd.com/role/OtherExpenseNetDetails": { "parentTag": "us-gaap_OtherNonoperatingIncomeExpense", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/OtherExpenseNetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Gains (losses) on equity investments, net", "label": "Increase (Decrease) in Equity Securities, FV-NI", "documentation": "Amount of increase (decrease) of 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A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of the company." } } }, "auth_ref": ["r477", "r482", "r487", "r1183"] }, "ecd_IndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "IndividualAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Individual:", "label": "Individual [Axis]" } } }, "auth_ref": ["r1276", "r1287", "r1297", "r1321", "r1330", "r1334", "r1342"] }, "us-gaap_IndividualMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IndividualMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": 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Includes, but is not limited to, cost of borrowing accounted for as interest expense." } } }, "auth_ref": ["r356", "r364", "r368", "r374", "r387", "r784", "r1175", "r1176"] }, "us-gaap_InterestExpenseDebtExcludingAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpenseDebtExcludingAmortization", "crdr": "debit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityInterestExpenseRecognizedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest Expense, Debt, Excluding Amortization", "label": "Interest Expense, Debt, Excluding Amortization", "documentation": "Represents the portion of interest incurred in the period on debt arrangements that was charged against earnings, excluding amortization of debt discount (premium) and financing costs." } } }, "auth_ref": ["r132", "r563", "r1193", "r1194"] }, "us-gaap_InterestIncomeExpenseNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestIncomeExpenseNet", "crdr": "credit", "calculation": { "http://www.amd.com/role/OtherExpenseNetDetails": { "parentTag": "us-gaap_OtherNonoperatingIncomeExpense", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/OtherExpenseNetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest income", "label": "Interest Income (Expense), Operating", "documentation": "Amount of interest income (expense) classified as operating." } } }, "auth_ref": ["r895", "r1417"] }, "us-gaap_InterestPaidNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestPaidNet", "crdr": "credit", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Interest", "label": "Interest Paid, Excluding Capitalized Interest, Operating Activities", "documentation": "Amount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount." } } }, "auth_ref": ["r307", "r310", "r311"] }, "us-gaap_InventoryFinishedGoods": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoods", "crdr": "debit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofInventoryCurrentDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationScheduleofInventoryCurrentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finished goods", "label": "Inventory, Finished Goods, Gross", "documentation": "Amount before valuation and LIFO reserves of completed merchandise or goods expected to be 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Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income." } } }, "auth_ref": ["r1563"] }, "us-gaap_LeaseholdImprovementsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseholdImprovementsGross", "crdr": "debit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails": { "parentTag": "us-gaap_PropertyPlantAndEquipmentGross", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Land, building and leasehold improvements", "label": "Leasehold Improvements, Gross", "documentation": "Amount before accumulated depreciation of additions or improvements to assets held under a lease arrangement." } } }, "auth_ref": ["r146"] }, "us-gaap_LesseeLeasesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeasesPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Leases", "label": "Lessee, Leases [Policy Text Block]", "documentation": "Disclosure of accounting policy for leasing arrangement entered into by lessee." } } }, "auth_ref": ["r796"] }, "us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesTables"], "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Liability, Maturity", "label": "Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position." } } }, "auth_ref": ["r1564"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total minimum lease payments", "label": "Lessee, Operating Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2026 and thereafter", "label": "Lessee, Operating Lease, Liability, to be Paid, after Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease due after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2021", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFive", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2024", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2023", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails_1": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2022", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r803"] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: interest", "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating 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Intangible asset includes, but is not limited to, patent, copyright, technology, manufacturing process, software or trademark." } } }, "auth_ref": ["r1488"] }, "amd_LicensingGainMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "LicensingGainMember", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Licensing Gain", "label": "Licensing Gain [Member]", "documentation": "Licensing gain [Member]" } } }, "auth_ref": [] }, "amd_LicensingRevenueMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "LicensingRevenueMember", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Licensing Revenue", "label": "Licensing Revenue [Member]", "documentation": "Licensing Revenue [Member]" } } }, "auth_ref": [] }, "amd_LimitedWarrantyPeriod": { "xbrltype": 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"auth_ref": [] }, "amd_LisaSuMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "LisaSuMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Lisa Su [Member]", "documentation": "Lisa Su" } } }, "auth_ref": [] }, "us-gaap_LoansAndLeasesReceivableRelatedParties": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LoansAndLeasesReceivableRelatedParties", "crdr": "debit", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loans and Leases Receivable, Related Parties", "label": "Loans and Leases Receivable, Related Parties", "documentation": "For an unclassified balance sheet, reflects the carrying amount of unpaid loan amounts due from related parties at the balance sheet date." } } }, "auth_ref": ["r96", "r188"] }, "dei_LocalPhoneNumber": { "xbrltype": 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geographic areas located in the entity's country of domicile and foreign countries in which the entity holds assets." } } }, "auth_ref": ["r144"] }, "us-gaap_LongTermDebtCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtCurrent", "crdr": "credit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: current portion of long-term debt and related unamortized debt premium and issuance costs", "label": "Long-Term Debt, Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation." } } }, "auth_ref": ["r277"] }, "us-gaap_LongTermDebtFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtFairValue", "crdr": "credit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsFinancialInstrumentsNotRecordedatFairvalueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term debt, net", "label": "Long-Term Debt, Fair Value", "documentation": "The fair value amount of long-term debt whether such amount is presented as a separate caption or as a parenthetical disclosure. Additionally, this element may be used in connection with the fair value disclosures required in the footnote disclosures to the financial statements. The element may be used in both the balance sheet and disclosure in the same submission." } } }, "auth_ref": ["r1541", "r1543", "r1544", "r1545"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalAfterYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalAfterYearFive", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2030 and thereafter", "label": "Long-Term Debt, Maturity, after Year Five", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r1485"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2020", "label": "Long-Term Debt, Maturity, Year One", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r560"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFive", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2024", "label": "Long-Term Debt, Maturity, Year Five", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r560"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearFour", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2023", "label": "Long-Term Debt, Maturity, Year Four", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r560"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearThree", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2022", "label": "Long-Term Debt, Maturity, Year Three", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r560"] }, "us-gaap_LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtMaturitiesRepaymentsOfPrincipalInYearTwo", "crdr": "credit", "calculation": { "http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails": { "parentTag": "us-gaap_DebtInstrumentCarryingAmount", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityFuturePaymentsonTotalDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Long-Term Debt, Maturity, Year Two", "documentation": "Amount of long-term debt payable, sinking fund requirement, and other securities issued that are redeemable by holder at fixed or determinable price and date, maturing in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r10", "r324", "r560"] }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheets", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term debt, net of current portion", "label": "Long-Term Debt, Excluding Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation." } } }, "auth_ref": ["r278"] }, "us-gaap_LongTermPurchaseCommitmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermPurchaseCommitmentLineItems", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Purchase Commitment [Line Items]", "label": "Long-Term Purchase Commitment [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes short-term purchase arrangement and unconditional purchase obligation." } } }, "auth_ref": [] }, "us-gaap_LongtermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeAxis", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails", "http://www.amd.com/role/EarningsPerShareDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Axis]", "label": "Long-Term Debt, Type [Axis]", "documentation": "Information by type of long-term debt." } } }, "auth_ref": ["r22", "r1467", "r1468", "r1469"] }, "us-gaap_LongtermDebtTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeDomain", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails", "http://www.amd.com/role/EarningsPerShareDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Domain]", "label": "Long-Term Debt, Type [Domain]", "documentation": "Type of long-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": ["r22", "r56", "r1467", "r1468", "r1469"] }, "us-gaap_LossContingenciesByNatureOfContingencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesByNatureOfContingencyAxis", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency Nature [Axis]", "label": "Loss Contingency Nature [Axis]", "documentation": "Information by type of existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur." } } }, "auth_ref": ["r512", "r514", "r516", "r522", "r650", "r962", "r1189", "r1476", "r1477"] }, "us-gaap_LossContingenciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesLineItems", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies [Line Items]", "label": "Loss Contingencies [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r512", "r514", "r516", "r522", "r650", "r1189", "r1476", "r1477"] }, "us-gaap_LossContingenciesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesTable", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingencies [Table]", "label": "Loss Contingencies [Table]", "documentation": "Disclosure of information about loss contingency. Excludes environmental contingency, warranty, and unconditional purchase obligation." } } }, "auth_ref": ["r512", "r514", "r516", "r522", "r650", "r1189", "r1476", "r1477"] }, "us-gaap_LossContingencyAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyAbstract", "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency [Abstract]", "label": "Loss Contingency [Abstract]" } } }, "auth_ref": [] }, "amd_LossContingencyDamagesSoughtNumberofStates": { "xbrltype": "integerItemType", "nsuri": "http://www.amd.com/20241228", "localname": "LossContingencyDamagesSoughtNumberofStates", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of states", "label": "Loss Contingency, Damages Sought, Number of States", "documentation": "Loss Contingency, Damages Sought, Number of States" } } }, "auth_ref": [] }, "us-gaap_LossContingencyDisclosures": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyDisclosures", "presentation": ["http://www.amd.com/role/Contingencies"], "lang": { "en-us": { "role": { "terseLabel": "Contingencies", "label": "Contingencies Disclosure [Text Block]", "documentation": "The entire disclosure for loss and gain contingencies. Describes any existing condition, situation, or set of circumstances involving uncertainty as of the balance sheet date (or prior to issuance of the financial statements) as to a probable or reasonably possible loss incurred by an entity that will ultimately be resolved when one or more future events occur or fail to occur, and typically discloses the amount of loss recorded or a range of possible loss, or an assertion that no reasonable estimate can be made." } } }, "auth_ref": ["r511", "r512", "r513", "r515", "r518", "r519", "r520", "r521", "r650"] }, "us-gaap_LossContingencyNatureDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNatureDomain", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Loss Contingency, Nature [Domain]", "label": "Loss Contingency, Nature [Domain]", "documentation": "An existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur. Resolution of the uncertainty may confirm the incurrence of a loss or impairment of an asset or the incurrence of a liability." } } }, "auth_ref": ["r512", "r514", "r516", "r522", "r650", "r962", "r1189", "r1476", "r1477"] }, "us-gaap_LossContingencyNewClaimsFiledNumber": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNewClaimsFiledNumber", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of claims filed", "label": "Loss Contingency, New Claims Filed, Number", "documentation": "The total number of new claims filed pertaining to a loss contingency during the period." } } }, "auth_ref": ["r1476", "r1477"] }, "us-gaap_LossContingencyNumberOfPlaintiffs": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNumberOfPlaintiffs", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { 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including, but is not limited to, tools, dies and molds, computer and office equipment." } } }, "auth_ref": ["r146"] }, "srt_MajorCustomersAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MajorCustomersAxis", "presentation": ["http://www.amd.com/role/ConcentrationsofCreditandOperationRiskDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Customer [Axis]", "label": "Customer [Axis]", "documentation": "Information by name or description of a single external customer or a group of external customers." } } }, "auth_ref": ["r394", "r1198", "r1240", "r1245", "r1487", "r1579", "r1583", "r1584", "r1586", "r1587", "r1588", "r1589", "r1590", "r1591", "r1592", "r1593", "r1594", "r1595", "r1596", "r1597", "r1598", "r1599", "r1600", "r1601", "r1602", "r1603", "r1604", "r1605", "r1606", "r1607", "r1608", "r1609", "r1610"] }, "amd_MarkPapermasterMember": { "xbrltype": "domainItemType", 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Excludes corporate-level activity." } } }, "auth_ref": ["r382", "r385", "r388", "r1175", "r1176"] }, "srt_MaximumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MaximumMember", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails", "http://www.amd.com/role/RetirementBenefitPlansDetails", "http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Maximum", "label": "Maximum [Member]", 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Name" } } }, "auth_ref": ["r1313"] }, "srt_MinimumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MinimumMember", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails", "http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Minimum", "label": "Minimum [Member]", "documentation": "Lower limit of the provided range." } } }, "auth_ref": ["r218", "r220", "r222", "r223", "r225", "r257", 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"http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Government money Market Funds", "label": "Money Market Funds [Member]", "documentation": "Fund that invests in short-term money-market instruments, for example, but not limited to, commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit, and other highly liquid securities." } } }, "auth_ref": ["r1489"] }, "us-gaap_MovementInStandardProductWarrantyAccrualRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MovementInStandardProductWarrantyAccrualRollForward", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesScheduleofChangesinProductWarrantyLiabilityDetails"], 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Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r309"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from financing activities:", "label": "Net Cash Provided by (Used in) Financing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by (used in) investing activities", "label": "Net Cash Provided by (Used in) Investing Activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": ["r309"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from investing activities:", "label": "Net Cash Provided by (Used in) Investing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by operating activities", "label": "Net Cash Provided by (Used in) Operating Activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities." } } }, "auth_ref": ["r137", "r138", "r139"] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from operating activities:", "label": "Net Cash Provided by (Used in) Operating Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 1.0 }, "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 1.0 }, "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows", "http://www.amd.com/role/ConsolidatedStatementsofComprehensiveIncome", "http://www.amd.com/role/ConsolidatedStatementsofOperations", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity", "http://www.amd.com/role/EarningsPerShareDetails", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "totalLabel": "Net income", "terseLabel": "Net income", "verboseLabel": "Numerator", "label": "Net Income (Loss) Attributable to Parent", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } }, "auth_ref": ["r129", "r139", "r191", "r266", "r293", "r296", "r301", "r316", "r329", "r333", "r334", "r335", "r336", "r337", "r340", "r341", "r348", "r438", "r531", "r532", "r534", "r535", "r536", "r537", "r538", "r540", "r541", "r711", "r724", "r753", "r775", "r918", "r1035", "r1052", "r1053", "r1259", "r1482"] }, "us-gaap_NetIncomeLossAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAbstract", "presentation": ["http://www.amd.com/role/EarningsPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Numerator", "label": "Net Income (Loss) Attributable to Parent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NewAccountingPronouncementsOrChangeInAccountingPrincipleLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NewAccountingPronouncementsOrChangeInAccountingPrincipleLineItems", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "New Accounting Pronouncements or Change in Accounting Principle [Line Items]", "label": "New Accounting Pronouncements or Change in Accounting Principle [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Includes, but is not limited to, nature, reason, and method of adopting amendment to accounting standards and other change in accounting principle." } } }, "auth_ref": ["r39", "r259", "r260", "r261", "r262", "r263", "r264", "r328", "r329", "r330", "r331", "r332", "r335", "r342", "r355", "r395", "r396", "r440", "r441", "r442", "r443", "r444", "r445", "r446", "r447", "r448", "r449", "r491", "r492", "r501", "r692", "r693", "r694", "r695", "r696", "r704", "r705", "r706", "r707", "r708", "r709", "r710", "r711", "r712", "r717", "r718", "r719", "r720", "r721", "r722", "r723", "r724", "r731", "r732", "r733", "r734", "r735", "r736", "r737", "r738", "r739", "r740", "r741", "r743", "r744", "r745", "r746", "r747", "r748", "r749", "r750", "r751", "r752", "r753", "r771", "r772", "r788", "r789", "r790", "r805", "r806", "r807", "r808", "r809", "r810", "r854", "r855", "r856", "r950", "r951", "r952", "r953", "r954", "r955", "r956", "r957", "r958", "r959", "r960", "r961", "r966"] }, "us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Recently Adopted and Issued Accounting Standards", "label": "New Accounting Pronouncements, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] }, "ecd_NonGaapMeasureDescriptionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonGaapMeasureDescriptionTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-GAAP Measure Description", "label": "Non-GAAP Measure Description [Text Block]" } } }, "auth_ref": ["r1313"] }, "ecd_NonNeosMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonNeosMember", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-NEOs", "label": "Non-NEOs [Member]" } } }, "auth_ref": ["r1276", "r1287", "r1297", "r1321", "r1330"] }, "ecd_NonPeoNeoAvgCompActuallyPaidAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgCompActuallyPaidAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Compensation Actually Paid Amount", "label": "Non-PEO NEO Average Compensation Actually Paid Amount" } } }, "auth_ref": ["r1304"] }, "ecd_NonPeoNeoAvgTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgTotalCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Total Compensation Amount", "label": "Non-PEO NEO Average Total Compensation Amount" } } }, "auth_ref": ["r1303"] }, "ecd_NonPeoNeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO", "label": "Non-PEO NEO [Member]" } } }, "auth_ref": ["r1321"] }, "ecd_NonRule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted", "label": "Non-Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": ["r1341"] }, "ecd_NonRule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrTrmntdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Terminated", "label": "Non-Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": ["r1341"] }, "us-gaap_NoncashInvestingAndFinancingItemsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NoncashInvestingAndFinancingItemsAbstract", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Non-cash activities for leases:", "label": "Noncash Investing and Financing Items [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NoncashOrPartNoncashAcquisitionFixedAssetsAcquired1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NoncashOrPartNoncashAcquisitionFixedAssetsAcquired1", "crdr": "debit", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Transfer of assets for the acquisition of property and equipment", "label": "Noncash or Part Noncash Acquisition, Fixed Assets Acquired", "documentation": "The amount of fixed assets that an Entity acquires in a noncash (or part noncash) acquisition. Noncash is defined as information about all investing and financing activities of an enterprise during a period that affect recognized assets or liabilities but that do not result in cash receipts or cash payments in the period. \"Part noncash\" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period." } } }, "auth_ref": ["r36", "r37", "r38"] }, "us-gaap_NondesignatedMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NondesignatedMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Not Designated as Hedging Instrument", "label": "Not Designated as Hedging Instrument [Member]", "documentation": "Derivative instrument not designated as hedging instrument under Generally Accepted Accounting Principles (GAAP)." } } }, "auth_ref": ["r14"] }, "us-gaap_NonrecurringAdjustmentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonrecurringAdjustmentAxis", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Nonrecurring Adjustment [Axis]", "label": "Nonrecurring Adjustment [Axis]", "documentation": "Information by nonrecurring adjustment directly attributable to business combination included in pro forma revenue and earnings." } } }, "auth_ref": ["r17"] }, "us-gaap_NonrecurringAdjustmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonrecurringAdjustmentDomain", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Nonrecurring Adjustment [Domain]", "label": "Nonrecurring Adjustment [Domain]", "documentation": "Material, nonrecurring adjustment(s) allocated (included) to (in) reported pro forma revenue and earnings (supplemental pro forma information)." } } }, "auth_ref": ["r17"] }, "us-gaap_NotesPayableFairValueDisclosure": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NotesPayableFairValueDisclosure", "crdr": "credit", "presentation": [

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A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements." } } }, "auth_ref": ["r1171", "r1179", "r1416"] }, "amd_NumberofJointVentures": { "xbrltype": "integerItemType", "nsuri": "http://www.amd.com/20241228", "localname": "NumberofJointVentures", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of joint ventures", "label": "Number of Joint Ventures", "documentation": "Number of Joint Ventures" } } }, "auth_ref": [] }, "us-gaap_OciBeforeReclassificationsNetOfTaxAttributableToParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OciBeforeReclassificationsNetOfTaxAttributableToParent", "crdr": "credit", "calculation": { "http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net unrealized gains (losses) arising during the period", "label": "OCI, before Reclassifications, Net of Tax, Attributable to Parent", "documentation": "Amount after tax, before reclassification adjustments, of other comprehensive income (loss), attributable to parent." } } }, "auth_ref": ["r21", "r26"] }, "us-gaap_OpenTaxYear": { "xbrltype": "gYearListItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OpenTaxYear", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Open Tax Year", "label": "Open Tax Year", "documentation": "Tax year that remains open to examination under enacted tax laws, in YYYY format." } } }, "auth_ref": ["r673"] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments", "weight": 1.0, "order": 1.0 }, "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations", "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "totalLabel": "Operating income", "label": "Operating Income (Loss)", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r196", "r1170", "r1415", "r1417", "r1418", "r1419", "r1420"] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crdr": "debit", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommitmentsandGuaranteesSupplementalInformationRelatedtoLeasesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating Lease, Cost", "label": "Operating Lease, Cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": ["r797", "r1224"] }, "us-gaap_OperatingLeaseExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseExpense", "crdr": "debit", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommitmentsandGuaranteesSupplementalInformationRelatedtoLeasesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, expense", "label": "Operating Lease, Expense", "documentation": "Amount of operating lease expense. Excludes sublease income." } } }, "auth_ref": ["r1562"] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesOperatingLeaseObligationsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Present value of net minimum lease payments", "label": "Operating Lease, Liability", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r793"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "calculation": { 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Noncash is defined as transactions during a period that do not result in cash receipts or cash payments in the period. \"Part noncash\" refers to that portion of a transaction not resulting in cash receipts or cash payments in the period." } } }, "auth_ref": ["r36", "r37", "r38"] }, "us-gaap_OtherThanTemporaryImpairmentCreditLossesRecognizedInEarningsCategoriesOfInvestmentsDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherThanTemporaryImpairmentCreditLossesRecognizedInEarningsCategoriesOfInvestmentsDomain", "presentation": ["http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other than Temporary Impairment, Credit Losses Recognized in Earnings, Categories of Investments [Domain]", "label": "Other than Temporary Impairment, Credit Losses Recognized in Earnings, Categories of Investments [Domain]", "documentation": "Provides the categories of debt securities, available-for-sale or held-to-maturity, on which an entity may recognize other than temporary impairments (OTTI) for which a portion related to credit losses has been recognized in earnings and a portion related to all other factors has been recognized in other comprehensive income." } } }, "auth_ref": ["r20"] }, "ecd_OutstandingAggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingAggtErrCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Outstanding Aggregate Erroneous Compensation Amount", "label": "Outstanding Aggregate Erroneous Compensation Amount" } } }, "auth_ref": ["r1274", "r1285", "r1295", "r1328"] }, "ecd_OutstandingRecoveryCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingRecoveryCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Amount", "label": "Outstanding Recovery Compensation Amount" } } }, "auth_ref": ["r1277", "r1288", "r1298", "r1331"] }, "ecd_OutstandingRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingRecoveryIndName", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Outstanding Recovery, Individual Name" } } }, "auth_ref": ["r1277", "r1288", "r1298", "r1331"] }, "amd_PSURFRangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.amd.com/20241228", "localname": "PSURFRangeAxis", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "PSU RF Range [Axis]", "label": "PSU RF Range [Axis]", "documentation": "PSU RF Range" } } }, "auth_ref": [] }, "amd_PSURFRangeDomain": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "PSURFRangeDomain", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "PSU RF Range [Domain]", "label": "PSU RF Range [Domain]", "documentation": "PSU RF Range [Domain]" } } }, "auth_ref": [] }, "amd_PSUVolatilityMinimumAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.amd.com/20241228", "localname": "PSUVolatilityMinimumAxis", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "PSU Volatility - 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Excludes payments associated with a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r503", "r1400"] }, "us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows", "http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Payment, Tax Withholding, Share-based Payment Arrangement", "negatedLabel": "Stock repurchases for tax withholding on employee equity plans", "label": "Payment, Tax Withholding, Share-Based Payment Arrangement", "documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": ["r306"] }, "us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquired": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquireBusinessesNetOfCashAcquired", "crdr": "credit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Payments to Acquire Businesses, Net of Cash Acquired", "label": "Payments to Acquire Businesses, Net of Cash Acquired", "documentation": "The cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase." } } }, "auth_ref": ["r31"] }, "us-gaap_PaymentsToAcquireInterestInSubsidiariesAndAffiliates": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquireInterestInSubsidiariesAndAffiliates", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 8.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Payments to Acquire Interest in Subsidiaries and Affiliates", "label": "Payments to Acquire Interest in Subsidiaries and Affiliates", "documentation": "The cash outflow associated with the acquisition of or advances to an entity that is related to it but not strictly controlled (for example, an unconsolidated subsidiary, affiliate, and joint venture or equity method investment) or the acquisition of an additional interest in a subsidiary (controlled entity)." } } }, "auth_ref": ["r31"] }, "us-gaap_PaymentsToAcquireOtherInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquireOtherInvestments", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Payments to Acquire Other Investments", "label": "Payments to Acquire Other Investments", "documentation": "Amount of cash outflow to acquire investments classified as other." } } }, "auth_ref": ["r134"] }, "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Purchases of property and equipment", "label": "Payments to Acquire Property, Plant, and Equipment", "documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; 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Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term." } } }, "auth_ref": ["r134"] }, "ecd_PeerGroupIssuersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeerGroupIssuersFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Issuers, Footnote", "label": "Peer Group Issuers, Footnote [Text Block]" } } }, "auth_ref": ["r1312"] }, "ecd_PeerGroupTotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeerGroupTotalShareholderRtnAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Total Shareholder Return Amount", "label": "Peer Group Total Shareholder Return Amount" } } }, "auth_ref": ["r1312"] }, "amd_PensandoMember": { "xbrltype": 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Block]", "documentation": "Disclosure of accounting policy for reclassification affecting comparability of financial statement. Excludes amendment to accounting standards, other change in accounting principle, and correction of error." } } }, "auth_ref": ["r1384"] }, "us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans", "crdr": "debit", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate cash proceeds", "label": "Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Excluding Option Exercised", "documentation": "Amount of cash inflow from issuance of shares under share-based payment arrangement. Excludes option exercised." } } }, "auth_ref": ["r4", "r18"] }, "us-gaap_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlansIncludingStockOptions", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from sales of common stock through employee equity plans", "label": "Proceeds, Issuance of Shares, Share-Based Payment Arrangement, Including Option Exercised", "documentation": "Amount of cash inflow from issuance of shares under share-based payment arrangement. Includes, but is not limited to, option exercised." } } }, "auth_ref": ["r4", "r18"] }, "us-gaap_ProceedsFromLinesOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromLinesOfCredit", "crdr": "debit", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from Lines of Credit", "label": "Proceeds from Lines of Credit", "documentation": "Amount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements." } } }, "auth_ref": ["r32", "r1405"] }, "us-gaap_ProceedsFromMaturitiesPrepaymentsAndCallsOfShorttermInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromMaturitiesPrepaymentsAndCallsOfShorttermInvestments", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 9.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from Maturities, Prepayments and Calls of Short-Term Investments", "label": "Proceeds from Maturities, Prepayments and Calls of Short-Term Investments", "documentation": "The cash inflow from maturities, prepayments, calls and collections of all investments, including securities and other assets, having ready marketability and intended by management to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term." } } }, "auth_ref": ["r28", "r134"] }, "us-gaap_ProceedsFromPaymentsForOtherFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromPaymentsForOtherFinancingActivities", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Proceeds from (Payments for) Other Financing Activities", "documentation": "Amount of cash inflow (outflow) from financing activities classified as other." } } }, "auth_ref": ["r1363", "r1398"] }, "us-gaap_ProceedsFromSaleOfShortTermInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleOfShortTermInvestments", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from Sale of Short-Term Investments", "label": "Proceeds from Sale of Short-Term Investments", "documentation": "The cash inflow from sales of all investments, including securities and other assets, having ready marketability and intended by management to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term." } } }, "auth_ref": ["r28"] }, "us-gaap_ProceedsFromShortTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromShortTermDebt", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from debt, net of issuance costs", "label": "Proceeds from Short-Term Debt", "documentation": "The cash inflow from a borrowing having initial term of repayment within one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r32"] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", 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goods and services and not intended for resale." } } }, "auth_ref": ["r9", "r804"] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails": { "parentTag": "us-gaap_PropertyPlantAndEquipmentNet", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails"], "lang": { "en-us": { "role": { "totalLabel": "Property and equipment, gross", "label": "Property, Plant and Equipment, Gross", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r146", "r271", "r915"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 5.0 }, "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheets", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails", "http://www.amd.com/role/SupplementalBalanceSheetInformationPropertyandEquipmentnetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property and equipment, net", "totalLabel": "Property and equipment, net", "label": "Property, Plant and Equipment, Net", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r9", "r804", "r901", "r915", "r1225"] }, "us-gaap_PropertyPlantAndEquipmentPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Property and Equipment", "label": "Property, Plant and Equipment, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections." } } }, "auth_ref": ["r9", "r206", "r211", "r913"] }, "us-gaap_PropertyPlantAndEquipmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTextBlock", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Property and Equipment, net", "label": "Property, Plant and Equipment [Table Text Block]", "documentation": "Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation." } } }, "auth_ref": ["r9"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property, Plant and Equipment, Type [Domain]", "label": "Long-Lived Tangible Asset [Domain]", "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software." } } }, "auth_ref": ["r146", "r804"] }, "us-gaap_PropertyPlantAndEquipmentUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentUsefulLife", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property, plant and equipment, useful life", "label": "Property, Plant and Equipment, Useful Life", "documentation": "Useful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligation", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total unconditional purchase commitments", "label": "Purchase Obligation", "documentation": "Minimum amount of purchase arrangement in which the entity has agreed to expend funds to procure goods or services from a supplier." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueAfterFifthYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueAfterFifthYear", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2030 and thereafter", "label": "Purchase Obligation, to be Paid, after Year Five", "documentation": "Amount of purchase arrangement to be paid after fifth fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInFifthYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInFifthYear", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2029", "label": "Purchase Obligation, to be Paid, Year Five", "documentation": "Amount of purchase arrangement to be paid in fifth fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInFourthYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInFourthYear", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Purchase Obligation, to be Paid, Year Four", "documentation": "Amount of purchase arrangement to be paid in fourth fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInNextTwelveMonths", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Purchase Obligation, to be Paid, Year One", "documentation": "Amount of purchase arrangement to be paid in next fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInSecondYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInSecondYear", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Purchase Obligation, to be Paid, Year Two", "documentation": "Amount of purchase arrangement to be paid in second fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_PurchaseObligationDueInThirdYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseObligationDueInThirdYear", "crdr": "credit", "calculation": { "http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails": { "parentTag": "us-gaap_PurchaseObligation", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesUnconditionalPurchaseObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Purchase Obligation, to be Paid, Year Three", "documentation": "Amount of purchase arrangement to be paid in third fiscal year following current fiscal year. Includes, but is not limited to, recorded and unrecorded purchase obligations, long-term purchase commitment, and short-term purchase commitment. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTable", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure", "label": "Pay vs Performance Disclosure [Table]" } } }, "auth_ref": ["r1302"] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTableTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure, Table", "label": "Pay vs Performance [Table Text Block]" } } }, "auth_ref": ["r1302"] }, "amd_QuarterhillInc.LitigationMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "QuarterhillInc.LitigationMember", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Quarterhill Inc. 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Litigation [Member]" } } }, "auth_ref": [] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails", "http://www.amd.com/role/RetirementBenefitPlansDetails", "http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Axis]", "label": "Statistical Measurement [Axis]", "documentation": "Information by statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": ["r218", "r220", "r222", "r223", "r225", "r257", "r258", "r514", "r516", "r518", "r519", "r591", "r609", "r639", "r640", "r641", "r650", "r759", "r824", "r833", "r850", "r946", "r948", "r962", "r1003", "r1004", "r1061", "r1082", "r1087", "r1088", "r1122", "r1153", "r1154", "r1180", "r1195", "r1205", "r1216", "r1217", "r1221", "r1222", "r1241", "r1250", "r1470", "r1484", "r1544", "r1569", "r1570", "r1571", "r1572", "r1573"] }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeMember", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails", "http://www.amd.com/role/RetirementBenefitPlansDetails", "http://www.amd.com/role/SummaryofSignificantAccountingPoliciesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Domain]", "label": "Statistical Measurement [Domain]", "documentation": "Statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": ["r218", "r220", "r222", "r223", "r225", "r257", "r258", "r514", "r516", "r518", "r519", "r591", "r609", "r639", "r640", "r641", "r650", "r759", "r824", "r833", "r850", "r946", "r948", "r962", "r1003", "r1004", "r1061", "r1082", "r1087", "r1088", "r1122", "r1153", "r1154", "r1180", "r1195", "r1205", "r1216", "r1217", "r1221", "r1222", "r1241", "r1250", "r1470", "r1484", "r1544", "r1569", "r1570", "r1571", "r1572", "r1573"] }, "us-gaap_ReceivablesPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivablesPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Accounts Receivables", "label": "Receivable [Policy Text Block]", "documentation": "Disclosure of accounting policy for receivable. Includes, but is not limited to, accounts receivable and financing receivable." } } }, "auth_ref": ["r398", "r399", "r400", "r401", "r1422"] }, "us-gaap_ReclassificationFromAociCurrentPeriodNetOfTaxAttributableToParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReclassificationFromAociCurrentPeriodNetOfTaxAttributableToParent", "crdr": "debit", "calculation": { "http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails": { "parentTag": "us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/AccumulatedOtherComprehensiveIncomeLossDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Net losses (gains) reclassified into income during the period", "label": "Reclassification from AOCI, Current Period, Net of Tax, Attributable to Parent", "documentation": "Amount after tax of reclassification adjustments of other comprehensive income (loss) attributable to parent." } } }, "auth_ref": ["r21", "r26"] }, "us-gaap_ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReconciliationOfUnrecognizedTaxBenefitsExcludingAmountsPertainingToExaminedTaxReturnsRollForward", "presentation": ["http://www.amd.com/role/IncomeTaxesScheduleofGrossUnrecognizedTaxBenefitsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unrecognized Tax Benefits [Roll Forward]", "label": "Unrecognized Tax Benefits [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_RecordedUnconditionalPurchaseObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligation", "crdr": "credit", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total unconditional purchase commitments", "label": "Recorded Unconditional Purchase Obligation", "documentation": "Amount of the recorded obligation to transfer funds in the future for fixed or minimum amounts or quantities of goods or services at fixed or minimum prices (for example, as in take-or-pay contracts or throughput contracts)." } } }, "auth_ref": ["r510"] }, "us-gaap_RecordedUnconditionalPurchaseObligationsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RecordedUnconditionalPurchaseObligationsTextBlock", "presentation": ["http://www.amd.com/role/CommitmentsandGuaranteesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Future Unconditional Purchase Obligations", "label": "Recorded Unconditional Purchase Obligations [Table Text Block]", "documentation": "Tabular disclosure of unconditional purchase obligation recognized as liability." } } }, "auth_ref": ["r10", "r1473"] }, "ecd_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Recovery of Erroneously Awarded Compensation Disclosure [Line Items]" } } }, "auth_ref": ["r1269", "r1280", "r1290", "r1323"] }, "us-gaap_RelatedPartyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Domain]", "label": "Related and Nonrelated Parties [Domain]", "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r397", "r600", "r811", "r812", "r906", "r912", "r1008", "r1009", "r1010", "r1011", "r1012", "r1032", "r1034", "r1057"] }, "us-gaap_RelatedPartyMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyMember", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party", "label": "Related Party [Member]", "documentation": "Party related to reporting entity. Includes, but is not limited to, affiliate, entity for which investment is accounted for by equity method, trust for benefit of employees, and principal owner, management, and members of immediate family." } } }, "auth_ref": ["r320", "r321", "r811", "r812", "r813", "r814", "r906", "r912", "r1008", "r1009", "r1010", "r1011", "r1012", "r1032", "r1034", "r1057"] }, "us-gaap_RelatedPartyTransactionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionAxis", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Axis]", "label": "Related Party Transaction [Axis]", "documentation": "Information by type of related party transaction." } } }, "auth_ref": ["r811", "r812", "r1565"] }, "us-gaap_RelatedPartyTransactionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionDomain", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Domain]", "label": "Related Party Transaction [Domain]", "documentation": "Transaction between related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionPurchasesFromRelatedParty": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionPurchasesFromRelatedParty", "crdr": "debit", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Purchases from related party", "label": "Related Party Transaction, Purchases from Related Party", "documentation": "Purchases during the period (excluding transactions that are eliminated in consolidated or combined financial statements) with related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Axis]", "label": "Related and Nonrelated Parties [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r397", "r600", "r811", "r812", "r906", "r912", "r1008", "r1009", "r1010", "r1011", "r1012", "r1032", "r1034", "r1057", "r1565"] }, "us-gaap_RepaymentsOfDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfDebt", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows", "http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repayment of debt", "terseLabel": "Repayment of debt", "label": "Repayments of Debt", "documentation": "Amount of cash outflow for short-term and long-term debt. Excludes payment of lease obligation." } } }, "auth_ref": ["r1399"] }, "srt_RepurchaseAgreementCounterpartyNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RepurchaseAgreementCounterpartyNameDomain", "presentation": ["http://www.amd.com/role/ContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Domain]", "label": "Counterparty Name [Domain]", "documentation": "Named other party that participates in a financial transaction. Examples include, but not limited to, the name of the financial institution." } } }, "auth_ref": ["r252", "r253", "r322", "r323", "r546", "r574", "r814", "r834", "r902", "r1163", "r1164"] }, "amd_ResaleToATMPJV": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "ResaleToATMPJV", "crdr": "credit", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Resale to ATMP JV", "label": "Resale to ATMP JV", "documentation": "Resale to ATMP JV" } } }, "auth_ref": [] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } } }, "auth_ref": ["r651", "r1155", "r1175", "r1574"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense [Member]", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } } }, "auth_ref": [] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date:", "label": "Restatement Determination Date [Axis]" } } }, "auth_ref": ["r1270", "r1281", "r1291", "r1324"] }, "ecd_RestatementDeterminationDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDeterminationDate", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date" } } }, "auth_ref": ["r1271", "r1282", "r1292", "r1325"] }, "ecd_RestatementDoesNotRequireRecoveryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Restatement does not require Recovery", "label": "Restatement Does Not Require Recovery [Text Block]" } } }, "auth_ref": ["r1278", "r1289", "r1299", "r1332"] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Cash and Cash Equivalents [Domain]", "label": "Cash and Cash Equivalents [Domain]", "documentation": "Type of cash and cash equivalent. Cash is currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r270"] }, "us-gaap_RestrictedCashCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashCurrent", "crdr": "debit", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails", "http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash included in Prepaid expense and other current assets", "label": "Restricted Cash, Current", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": ["r1386", "r1403"] }, "us-gaap_RestructuringAndRelatedActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesAbstract", "lang": { "en-us": { "role": { "label": "Restructuring and Related Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RestructuringCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCharges", "crdr": "debit", "calculation": { "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 3.0 }, "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations", "http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring charges", "negatedTerseLabel": "Restructuring charges", "label": "Restructuring Charges", "documentation": "Amount of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r8", "r506", "r507", "r1472"] }, "us-gaap_RestructuringCostAndReserveLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCostAndReserveLineItems", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Cost and Reserve [Line Items]", "label": "Restructuring Cost and Reserve [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r502", "r503", "r504", "r505", "r507", "r508", "r509"] }, "us-gaap_RestructuringCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCosts", "crdr": "debit", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Severance Costs", "label": "Restructuring Costs", "documentation": "Amount, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r8"] }, "us-gaap_RestructuringImpairmentAndOtherActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringImpairmentAndOtherActivitiesDisclosureTextBlock", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivities"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring, Impairment, and Other Activities Disclosure", "label": "Restructuring, Impairment, and Other Activities Disclosure [Text Block]", "documentation": "The entire disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets." } } }, "auth_ref": [] }, "us-gaap_RestructuringPlanAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringPlanAxis", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Plan [Axis]", "label": "Restructuring Plan [Axis]", "documentation": "Information by individual restructuring plan." } } }, "auth_ref": [] }, "us-gaap_RestructuringPlanDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringPlanDomain", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Plan [Domain]", "label": "Restructuring Plan [Domain]", "documentation": "Identification of the individual restructuring plans." } } }, "auth_ref": [] }, "us-gaap_RestructuringReserve": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserve", "crdr": "credit", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring Reserve", "label": "Restructuring Reserve", "documentation": "Carrying amount (including both current and noncurrent portions of the accrual) as of the balance sheet date pertaining to a specified type of cost associated with exit from or disposal of business activities or restructuring pursuant to a duly

authorized plan." } } }, "auth_ref": ["r503", "r508"] }, "us-gaap_RestructuringReserveAccrualAdjustment1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringReserveAccrualAdjustment1", "crdr": "debit", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Restructuring and Related Cost, Accelerated Depreciation", "terseLabel": "Restructuring Reserve, Accrual Adjustment", "label": "Restructuring Reserve, Accrual Adjustment", "documentation": "Amount of expense (reversal of expense) which increases (decreases) the restructuring reserve from an adjustment to a previously accrued restructuring liability." } } }, "auth_ref": ["r503", "r508"] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Retained earnings", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r113", "r158", "r910", "r956", "r961", "r976", "r1015", "r1225"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Retained earnings (accumulated deficit)", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r261", "r325", "r326", "r327", "r330", "r337", "r339", "r341", "r443", "r449", "r492", "r692", "r693", "r707", "r708", "r709", "r712", "r723", "r724", "r734", "r737", "r738", "r741", "r751", "r789", "r791", "r952", "r954", "r979", "r1618"] }, "us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations", "http://www.amd.com/role/SegmentReportingExternalCustomersbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net revenue", "label": "Revenue from Contract with Customer, Excluding Assessed Tax", "documentation": "Amount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise." } } }, "auth_ref": ["r194", "r195", "r356", "r365", "r366", "r381", "r387", "r390", "r392", "r394", "r588", "r589", "r852"] }, "us-gaap_RevenueFromContractWithCustomerMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerMember", "presentation": ["http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails"], "lang": { "en-us": { "role": { "terseLabel": "Sales to major customers", "label": "Revenue from Contract with Customer Benchmark [Member]", "documentation": "Revenue from satisfaction of performance obligation by transferring promised product and service to customer, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": ["r394", "r1364"] }, "us-gaap_RevenueFromContractWithCustomerPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Revenue Recognition", "label": "Revenue from Contract with Customer [Policy Text Block]", "documentation": "Disclosure of accounting policy for revenue from contract with customer." } } }, "auth_ref": ["r215", "r580", "r581", "r582", "r583", "r584", "r585", "r586", "r587", "r1156"] }, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue allocated to remaining performance obligations that are unsatisfied or partially unsatisfied", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth_ref": ["r209"] }, "amd_RevenueRemainingPerformanceObligation12months": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "RevenueRemainingPerformanceObligation12months", "crdr": "credit", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "RevenueRemainingPerformanceObligation12months", "label": "RevenueRemainingPerformanceObligation12months", "documentation": "RevenueRemainingPerformanceObligation12months" } } }, "auth_ref": [] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod1", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Expected timing of satisfaction, period", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period", "documentation": "Period in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r210"] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "documentation": "Start date of time band for expected timing of satisfaction of remaining performance obligation, in YYYY-MM-DD format." } } }, "auth_ref": ["r210"] }, "us-gaap_RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationRemainingPerformanceObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table]", "documentation": "Disclosure of information about expected timing for satisfying remaining performance obligation." } } }, "auth_ref": [] }, "us-gaap_Revenues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenues", "label": "Revenues", "documentation": "Amount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss)." } } }, "auth_ref": ["r194", "r195", "r302", "r316", "r356", "r365", "r366", "r381", "r387", "r390", "r392", "r394", "r438", "r531", "r532", "r534", "r535", "r536", "r537", "r538", "r540", "r541", "r775", "r899", "r1175", "r1482"] }, "us-gaap_RevolvingCreditFacilityMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevolvingCreditFacilityMember", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Secured Revolving Line of Credit", "label": "Revolving Credit Facility [Member]", "documentation": "Arrangement in which loan proceeds can continuously be obtained following repayments, but the total amount borrowed cannot exceed a specified maximum amount." } } }, "auth_ref": [] }, 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"http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "SINGAPORE", "label": "SINGAPORE" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfAccruedLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccruedLiabilitiesTableTextBlock", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Accrued Liabilities", "label": "Schedule of Accrued Liabilities [Table Text Block]", "documentation": "Tabular disclosure of the components of accrued liabilities." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": 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the characteristics, including initial carrying value, residual amount, weighted average useful life, of finite-lived intangible assets acquired during the period by major class. A major class is composed of intangible assets that can be grouped together because they are similar, either by nature or by their use in the operations of the company." } } }, "auth_ref": ["r1454", "r1459"] }, "us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable", "presentation": ["http://www.amd.com/role/EarningsPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Antidilutive Security, Excluded EPS Calculation [Table]", "label": "Antidilutive Security, Excluded EPS Calculation [Table]", "documentation": "Disclosure of information about security that could potentially dilute basic earnings per share (EPS) in future that was not included in calculation of diluted EPS." } } }, "auth_ref": ["r40"] }, "us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock", "presentation": ["http://www.amd.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Provision (Benefit) for Income Taxes", "label": "Schedule of Components of Income Tax Expense (Benefit) [Table Text Block]", "documentation": "Tabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years." } } }, "auth_ref": ["r1529"] }, "srt_ScheduleOfCondensedFinancialStatementsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfCondensedFinancialStatementsTable", "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofStockholdersEquity"], "lang": { "en-us": { "role":

{ "terseLabel": "Schedule of Financial Statements [Table]", "label": "Condensed Financial Statements [Table]", "documentation": "Disclosure of information about condensed financial statements, including, but not limited to, the balance sheet, income statement, and statement of cash flows." } } }, "auth_ref": ["r217", "r254", "r324", "r1359"] }, "us-gaap_ScheduleOfDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDebtTableTextBlock", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Debt and Other Obligations", "label": "Schedule of Debt [Table Text Block]", "documentation": "Tabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "presentation": ["http://www.amd.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Deferred Tax Assets and Liabilities", "label": "Schedule of Deferred Tax Assets and Liabilities [Table Text Block]", "documentation": "Tabular disclosure of the components of net deferred tax asset or liability recognized in an entity's statement of financial position, including the following: the total of all deferred tax liabilities, the total of all deferred tax assets, the total valuation allowance recognized for deferred tax assets." } } }, "auth_ref": ["r1525"] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": ["http://www.amd.com/role/EarningsPerShareTables"], "lang": { "en-us": { "role": { "terseLabel": "Components of basic and diluted income (loss) per share", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth_ref": ["r1414"] }, "us-gaap_ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock", "presentation": ["http://www.amd.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Effective Income Tax Rate Reconciliation", "label": "Schedule of Effective Income Tax Rate Reconciliation [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation using percentage or dollar amounts of the reported amount of income tax expense attributable to continuing operations for the year to the amount of income tax expense that would result from applying domestic federal statutory tax rates to pretax income from continuing operations." } } }, "auth_ref": ["r663", "r1210", "r1520"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation, Allocation of Recognized Period Costs [Table]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "documentation": "Disclosure of information about amount recognized for award under share-based payment arrangement. Includes, but is not limited to, amount expensed in statement of income or comprehensive income, amount capitalized in statement of financial position, and corresponding reporting line item in financial statements." } } }, "auth_ref": ["r71"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Employee Service Share-based Compensation, Allocation of Recognized Period Costs", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block]", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r71"] }, "srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Axis]", "label": "Investment, Name [Axis]", "documentation": "Information by name of investment including named security. Excludes entity that is consolidated." } } }, "auth_ref": ["r434", "r435", "r437", "r703", "r1356", "r1357", "r1358", "r1532", "r1533", "r1534", "r1535"] }, "us-gaap_ScheduleOfEquityMethodInvestmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsLineItems", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Equity Method Investments [Line Items]", "label": "Schedule of Equity Method Investments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r316", "r434", "r435", "r437", "r438", "r775"] }, "us-gaap_ScheduleOfEquityMethodInvestmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsTable", "presentation": ["http://www.amd.com/role/RelatedPartiesEquityJointVenturesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity Method Investment [Table]", "label": "Equity Method Investment [Table]", "documentation": "Disclosure of information about equity method investment. Includes, but is not limited to, name of investee or group of investees, percentage ownership, difference between investment and value of underlying equity in net assets." } } }, "auth_ref": ["r266", "r316", "r434", "r435", "r437", "r438", "r775"] }, "us-gaap_ScheduleOfGoodwillTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTable", "presentation": ["http://www.amd.com/role/GoodwillDetails"], "lang": { "en-us": { "role": { "terseLabel": "Goodwill [Table]", "label": "Goodwill [Table]", "documentation": "Disclosure of information about goodwill, including, but not limited to, change from acquisition, sale, impairment, and other reason." } } }, "auth_ref": ["r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r475", "r476", "r1182"] }, "us-gaap_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTextBlock", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsTables", "http://www.amd.com/role/IntangibleAssetsGoodwillandOtherTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Goodwill", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule." } } }, "auth_ref": ["r1182", "r1441", "r1442", "r1443", "r1444", "r1445", "r1446", "r1447", "r1448", "r1449", "r1450", "r1451"] }, "us-gaap_ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfIncomeBeforeIncomeTaxDomesticAndForeignTableTextBlock", "presentation": ["http://www.amd.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Loss before Income Tax", "label": "Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block]", "documentation": "Tabular disclosure of income before income tax between domestic and foreign jurisdictions." } } }, "auth_ref": ["r1407"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Inventories, net", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r24", "r117", "r118", "r119"] }, "us-gaap_ScheduleOfInvestmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInvestmentsLineItems", "presentation": ["http://www.amd.com/role/FinancialInstrumentsFinancialInstrumentsNotRecordedatFairvalueDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails", "http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Investments [Line Items]", "label": "Schedule of Investments [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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["http://www.amd.com/role/SupplementalBalanceSheetInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Other Non-current Assets", "label": "Schedule of Other Assets [Table Text Block]", "documentation": "Tabular disclosure of the carrying amounts of other assets. 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Includes, but is not limited to, expected cost, cost incurred, statement of income caption that includes restructuring cost recognized, and amount of restructuring reserve." } } }, "auth_ref": ["r502", "r503", "r504", "r505", "r507", "r508", "r509"] }, "us-gaap_ScheduleOfRestructuringReserveByTypeOfCostTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringReserveByTypeOfCostTextBlock", "presentation": ["http://www.amd.com/role/RestructuringandRelatedActivitiesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Restructuring Reserve by Type of Cost", "label": "Schedule of Restructuring Reserve by Type of Cost [Table Text Block]", "documentation": "Tabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period." } } }, "auth_ref": ["r54", "r147"] }, "us-gaap_ScheduleOfRevenueByMajorCustomersByReportingSegmentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenueByMajorCustomersByReportingSegmentsTableTextBlock", "presentation": ["http://www.amd.com/role/SegmentReportingTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Revenue by Major Customers by Reporting Segments", "label": "Schedule of Revenue by Major Customers by Reporting Segments [Table Text Block]", "documentation": "Tabular disclosure of the extent of the entity's reliance on its major customers, if revenues from transactions with a single external customer amount to 10 percent or more of entity revenues, including the disclosure of that fact, the total amount of revenues from each such customer, and the identity of the reportable segment or segments reporting the revenues. The entity need not disclose the identity of a major customer or the amount of revenues that each segment reports from that customer. For these purposes, a group of companies known to the entity to be under common control is considered a single customer, and the federal government, a state government, a local government such as a county or municipality, or a foreign government is each considered a single customer." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "presentation": ["http://www.amd.com/role/SegmentReportingTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area", "label": "Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block]", "documentation": "Tabular disclosure of the names of foreign countries from which revenue is material and the amount of revenue from external customers attributed to those countries. An entity may also provide subtotals of geographic information about groups of countries." } } }, "auth_ref": ["r123", "r143"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": ["http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails", "http://www.amd.com/role/SegmentReportingExternalCustomersbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Segment Reporting Information, by Segment", "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment." } } }, "auth_ref": ["r48", "r49", "r50"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTextBlock", "presentation": ["http://www.amd.com/role/SegmentReportingTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Segment Reporting Information, by Segment", "label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": ["r48", "r49", "r50"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table]", "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": ["r611", "r613", "r614", "r615", "r616", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r638", "r639", "r640", "r641", "r642"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation, Stock Options, Activity", "label": "Share-Based Payment Arrangement, Option, Activity [Table Text Block]", "documentation": "Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value." } } }, "auth_ref": ["r15", "r16", "r160"] }, "us-gaap_ScheduleOfShareBasedPaymentAwardEmployeeStockPurchasePlanValuationAssumptionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedPaymentAwardEmployeeStockPurchasePlanValuationAssumptionsTableTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of ESPP", "label": "Schedule of Share-Based Payment Award, Employee Stock Purchase Plan, Valuation Assumptions [Table Text Block]", "documentation": "Tabular disclosure of the significant assumptions used during the year to estimate the fair value of employee stock purchase plans, including, but not limited to: (a) expected term, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions." } } }, "auth_ref": ["r163"] }, "us-gaap_ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Payment Award, Stock Options, Valuation Assumptions", "label": "Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block]", "documentation": "Tabular disclosure of the significant assumptions used during the year to estimate the fair value of stock options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions." } } }, "auth_ref": ["r163"] }, "us-gaap_ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation, Restricted Stock Units, Activity", "label": "Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block]", "documentation": "Disclosure of the number and weighted-average grant date fair value for restricted stock and restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock and restricted stock units that were granted, vested, or forfeited during the year." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfStockByClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfStockByClassTable", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Stock, Class of Stock [Table]", "label": "Stock, Class of Stock [Table]", "documentation": "Disclosure of information about stock by class. 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Stock by class includes common, convertible, and preferred stocks which are not redeemable or redeemable solely at the option of the issuer. Includes preferred stock with redemption features that are solely within the control of the issuer and mandatorily redeemable stock if redemption is required to occur only upon liquidation or termination of the reporting entity. If more than one issue is outstanding, state the title of each issue and the corresponding dollar amount; dollar amount of any shares subscribed but unissued and the deduction of subscriptions receivable there from; number of shares authorized, issued, and outstanding." } } }, "auth_ref": ["r23", "r60", "r61", "r62", "r63", "r64", "r65", "r66", "r110", "r111", "r156", "r157", "r158"] }, "us-gaap_ScheduleOfUnrecognizedTaxBenefitsRollForwardTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfUnrecognizedTaxBenefitsRollForwardTableTextBlock", "presentation": ["http://www.amd.com/role/IncomeTaxesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Unrecognized Tax Benefits Roll Forward", "label": "Schedule of Unrecognized Tax Benefits Roll Forward [Table Text Block]", "documentation": "Tabular disclosure of the change in unrecognized tax benefits." } } }, "auth_ref": ["r674", "r1209"] }, 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"r1149", "r1150", "r1151", "r1152", "r1158", "r1197", "r1228", "r1229", "r1230", "r1231", "r1233", "r1235", "r1236", "r1237", "r1243", "r1250", "r1487", "r1579", "r1583", "r1584", "r1586", "r1587", "r1588", "r1589", "r1590", "r1591", "r1592", "r1593", "r1594", "r1595", "r1596", "r1597", "r1598", "r1599", "r1600", "r1601", "r1602", "r1603", "r1604", "r1605", "r1606", "r1607", "r1608", "r1609", "r1610"] }, "us-gaap_SegmentReportingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingAbstract", "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting [Abstract]", "label": "Segment Reporting [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SegmentReportingDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingDisclosureTextBlock", "presentation": ["http://www.amd.com/role/SegmentReporting"], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting", "label": "Segment Reporting Disclosure [Text Block]", "documentation": "The entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": ["r197", "r356", "r360", "r361", "r362", "r363", "r364", "r377", "r379", "r380", "r385", "r386", "r387", "r388", "r389", "r390", "r391", "r394", "r1171", "r1173", "r1174", "r1175", "r1177", "r1178", "r1179"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://www.amd.com/role/SegmentReportingComponentsofOtherOperatingIncomeLossDetails", "http://www.amd.com/role/SegmentReportingExternalCustomersbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingSalesbyCustomerDetails", "http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting Information", "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_SegmentReportingOtherItemAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingOtherItemAmount", "crdr": "debit", "presentation": ["http://www.amd.com/role/SegmentReportingSummaryofOperationsbySegmentDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting, Other Segment Item, Amount", "label": "Segment Reporting, Other Segment Item, Amount", "documentation": "Amount of other expense (income) and loss (gain) calculated as difference between segment revenue and separately disclosed expense category to arrive at segment profit (loss)." } } }, "auth_ref": ["r356", "r379", "r380", "r387", "r1175"] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 3.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "terseLabel": "Marketing, general and administrative", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r131"] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansAllocationofRecognizedPeriodCostsDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Marketing, general, and administrative", "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_SeniorNotesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SeniorNotesMember", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/DebtandRevolvingCreditFacilitySummaryofDebtandOtherObligationsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Senior Notes", "label": "Senior Notes [Member]", "documentation": "Bond that takes priority over other debt securities sold by the issuer. In the event the issuer goes bankrupt, senior debt holders receive priority for (must receive) repayment prior to (relative to) junior and unsecured (general) creditors." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://www.amd.com/role/ConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.amd.com/role/ConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation", "label": "Share-Based Payment Arrangement, Noncash Expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": ["r7"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Vesting period", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period", "documentation": "Period over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition." } } }, "auth_ref": ["r1206"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Forfeited (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period." } } }, "auth_ref": ["r631"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Forfeited (USD per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value", "documentation": "Weighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event." } } }, "auth_ref": ["r631"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Granted (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period", "documentation": "The number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)." } } }, "auth_ref": ["r629"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Weighted Average Grant Date Fair Value (USD per share)", "terseLabel": "Granted (USD per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value", "documentation": "The 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Number", "documentation": "The number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date." } } }, "auth_ref": ["r626", "r627"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of\u00a0Shares", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the 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Options, Nonvested, Weighted Average Grant Date Fair Value", "documentation": "Per share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": ["r626", "r627"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward

{ "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted- Average Grant Date Fair Value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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"http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansRestrictedStockUnitsActivatesandPRSUsDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Vested (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period." } } }, "auth_ref": ["r630"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodTotalFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r611", "r613", "r614", "r615", "r616", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r638", "r639", "r640", "r641", "r642"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardMaximumEmployeeSubscriptionRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardMaximumEmployeeSubscriptionRate", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Maximum percent of earnings withheld during offering period", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Maximum Employee Subscription Rate", 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"us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsAdditionalDisclosuresAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsAdditionalDisclosuresAbstract", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-Average Remaining Contractual Life (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Additional Disclosures [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber", "presentation": 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of underlying stock exceeds exercise price of fully vested and expected to vest exercisable or convertible options. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r635"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue", "crdr": "debit", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Balance", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value", "documentation": "Amount by which current fair value of underlying stock exceeds exercise price of fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r634"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardPerShareWeightedAveragePriceOfSharesPurchased": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardPerShareWeightedAveragePriceOfSharesPurchased", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted average purchase price (USD per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Per Share Weighted Average Price of Shares Purchased", "documentation": "Per share weighted-average price paid for shares purchased on open market for issuance under share-based payment arrangement." } } }, "auth_ref": ["r69"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardSharesPurchasedForAward": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardSharesPurchasedForAward", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share-based compensation, common stock purchased (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Shares Purchased for Award", "documentation": "Number of shares purchased for issuance under share-based payment arrangement." } } }, "auth_ref": ["r1517"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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"Award under share-based payment arrangement." } } }, "auth_ref": ["r614", "r615", "r616", "r618", "r619", "r620", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r629", "r630", "r631", "r632", "r633", "r634", "r635", "r638", "r639", "r640", "r641", "r642"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Exercised (USD per share)", "label": "Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price", "documentation": "Weighted average price at which option holders acquired shares when converting their stock options into shares." } } }, "auth_ref": ["r623"] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Canceled (USD per share)", "label": "Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price", "documentation": "Weighted average price at which grantees could have acquired the underlying shares with respect to stock options that were terminated." } } }, 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Includes, but is not limited to, methodology and assumption used in measuring cost." } } }, "auth_ref": ["r610", "r617", "r636", "r637", "r638", "r639", "r642", "r645", "r646", "r647", "r648"] }, "us-gaap_SharePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharePrice", "presentation": ["http://www.amd.com/role/DebtandRevolvingCreditFacilityNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Debt instrument, convertible, stock price trigger (USD per share)", "terseLabel": "Debt instrument, stock price (USD per share)", "label": "Share Price", "documentation": "Price of a single share of a number of saleable stocks of a company." } } }, "auth_ref": [] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardAwardVestingRightsPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardAwardVestingRightsPercentage", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Range of target shares granted", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage", "documentation": "Percentage of vesting of award under share-based payment arrangement." } } }, "auth_ref": ["r1490"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardExpirationPeriod": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardExpirationPeriod", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Expiration period", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Expiration Period", "documentation": "Period from grant date that an equity-based award expires, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r1207"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardFairValueAssumptionsExpectedTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardFairValueAssumptionsExpectedTerm1", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansStockOptionValuationAssumptionsDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforESPPDetails", "http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforPRSUsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Expected life (in years)", "verboseLabel": "Expected term (in years)", "netLabel": "Expected term (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Term", "documentation": "Expected term of award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r638"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestExercisableWeightedAverageRemainingContractualTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestExercisableWeightedAverageRemainingContractualTerm1", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Exercisable December 28, 2024", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Exercisable, Weighted Average Remaining Contractual Term", "documentation": "Weighted average remaining contractual term for fully vested and expected to vest exercisable or convertible options, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r635"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansWeightedAverageValuationAssumptionsforStockOptionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Balance", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term", "documentation": "Weighted average remaining contractual term for fully vested and expected to vest options outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r634"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardPurchasePriceOfCommonStockPercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardPurchasePriceOfCommonStockPercent", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Purchase price of common stock", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Purchase Price of Common Stock, Percent", "documentation": "Purchase price of common stock expressed as a percentage of its fair value." } } }, "auth_ref": [] }, "amd_SharebasedCompensationArrangementbySharebasedPaymentAwardOfferingPeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.amd.com/20241228", "localname": "SharebasedCompensationArrangementbySharebasedPaymentAwardOfferingPeriod", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Offering period", "label": "Share-based Compensation Arrangement by Share-based Payment Award, Offering Period", "documentation": "Share-based Compensation Arrangement by Share-based Payment Award, Offering Period" } } }, "auth_ref": [] }, "us-gaap_ShareholdersEquityAndShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareholdersEquityAndShareBasedPaymentsTextBlock", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlans"], "lang": { "en-us": { "role": { "terseLabel": "Common Stock and Stock-Based Incentive Compensation Plans", "label": "Shareholders' Equity and Share-Based Payments [Text Block]", "documentation": "The entire disclosure for shareholders' equity and share-based payment arrangement. Includes, but is not limited to, disclosure of policy and terms of share-based payment arrangement, deferred compensation arrangement, and employee stock purchase plan (ESPP)." } } }, "auth_ref": ["r155", "r159"] }, "us-gaap_SharesPaidForTaxWithholdingForShareBasedCompensation": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharesPaidForTaxWithholdingForShareBasedCompensation", "presentation": ["http://www.amd.com/role/CommonStockandStockBasedIncentiveCompensationPlansCommonStockActivitiesDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Common stock repurchases for tax withholding on equity awards (in shares)", "label": "Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation", "documentation": "Number of shares used to settle grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": [] }, "us-gaap_ShortTermBorrowings": { "xbrltype": "monetaryItemType", 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"http://www.amd.com/role/FinancialInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Short-term Investments", "label": "Short-Term Investments [Member]", "documentation": "Investments which are not otherwise included in another category or item that the entity has the intent to sell or dispose of within one year from the date of the balance sheet." } } }, "auth_ref": ["r1133", "r1134", "r1135", "r1159"] }, "us-gaap_ShorttermDebtFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShorttermDebtFairValue", "crdr": "credit", "presentation": ["http://www.amd.com/role/FinancialInstrumentsFinancialInstrumentsNotRecordedatFairvalueDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Short-term debt", "label": "Short-Term Debt, Fair Value", "documentation": "This element represents the portion of the balance sheet assertion valued at fair value by the entity whether such amount is presented as a separate caption or as a parenthetical disclosure. 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This item represents the amount of short-term debt existing as of the balance sheet date." } } }, "auth_ref": ["r1541"] }, "us-gaap_SignificantAccountingPoliciesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SignificantAccountingPoliciesTextBlock", "presentation": ["http://www.amd.com/role/SummaryofSignificantAccountingPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Summary of Significant Accounting Policies", "label": "Significant Accounting Policies [Text Block]", "documentation": "The entire disclosure for all significant accounting policies of the reporting entity." } } }, "auth_ref": ["r140", "r314"] }, "amd_SiloAIMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "SiloAIMember", "presentation": ["http://www.amd.com/role/BusinessCombinationsandAssetAcquisitionsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Silo AI", "label": "Silo AI [Member]", "documentation": 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"http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "Sovereign Debt Securities", "label": "Sovereign Debt Securities [Member]", "documentation": "Debt security issued by foreign government (not within the country of domicile of the entity)." } } }, "auth_ref": [] }, "amd_StateAndForeignMember": { "xbrltype": "domainItemType", "nsuri": "http://www.amd.com/20241228", "localname": "StateAndForeignMember", "presentation": ["http://www.amd.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "State and Foreign", "label": "State and Foreign [Member]", "documentation": "State and Foreign" } } }, "auth_ref": [] }, "amd_StateAndForeignTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://www.amd.com/20241228", "localname": "StateAndForeignTaxes", "crdr": "debit", "presentation": 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Treasury stock is common and preferred shares of an entity that were issued, repurchased by the entity, and are held in its treasury." } } }, "auth_ref": ["r67", "r68", "r111", "r114"] }, "country_US": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "US", "presentation": ["http://www.amd.com/role/SegmentReportingExternalCustomersbyGeographicRegionDetails", "http://www.amd.com/role/SegmentReportingPropertyandEquipmentNetbyGeographicRegionDetails"], "lang": { "en-us": { "role": { "terseLabel": "UNITED STATES", "label": "UNITED STATES" } } }, "auth_ref": [] }, "us-gaap_USGovernmentAgenciesDebtSecuritiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "USGovernmentAgenciesDebtSecuritiesMember", "presentation": ["http://www.amd.com/role/FinancialInstrumentsCashCashEquivalentsandMarketableSecuritiesFairValueMeasurementsDetails", "http://www.amd.com/role/FinancialInstrumentsNarrativeDetails", "http://www.amd.com/role/FinancialInstrumentsScheduleofCarryingAmountsandEstimatedFairValuesofFinancialInstrumentsnotRecordedatFairValueDetails"], "lang": { "en-us": { "role": { "terseLabel": "US Government Agencies Debt Securities", "label": "US Government Agencies Debt Securities [Member]", "documentation": "Debentures, notes, and other debt securities issued by US government agencies, for example, but not limited to, Government National Mortgage Association (GNMA or Ginnie Mae). Excludes US treasury securities and debt issued by government-sponsored Enterprises (GSEs), for example, but is not limited to, Federal Home Loan Mortgage Corporation (FHLMC or Freddie Mac), Federal National Mortgage Association (FNMA or Fannie Mae), and the Federal Home Loan Bank (FHLB)." } } }, "auth_ref": ["r1168", "r1200", "r1575"] }, "us-gaap_UnbilledReceivablesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UnbilledReceivablesCurrent", "crdr": "debit", "calculation": { "http://www.amd.com/role/SupplementalBalanceSheetInformationDeferredCostsCapitalizedPrepaidandOtherAssetsDisclosureDetails": { "parentTag": "us-gaap_PrepaidExpenseAndOtherAssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.amd.com/role/SupplementalBalanceSheetInformationDeferredCostsCapitalizedPrepaidandOtherAssetsDisclosureDetails"], "lang": { "en-us": { "role": { "terseLabel": "Unbilled accounts receivables", "label": "Unbilled 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"http://www.amd.com/role/IncomeTaxesScheduleofProvisionsBenefitforIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Increase (decrease) in valuation
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