



The Low Power Programmable Leader

## Corporate Overview

May 2025

# Safe Harbor Statement

## Forward Looking Statements

This presentation may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements involve estimates, assumptions, risks and uncertainties. Any statements about our expectations, beliefs, plans, objectives, assumptions or future events or performance are not historical facts and may be forward-looking. Such forward-looking statements include, but are not limited to, statements relating to our strategy; product roadmap; new applications of our products; long-term financial model; revenue growth; design win growth; market improvement; new greenfield growth opportunities; our market position; our ability to solve customer challenges; and growth in our customer base. Other forward-looking statements may be indicated by words such as "will," "could," "should," "would," "may," "expect," "plan," "project," "anticipate," "intend," "forecast," "future," "believe," "estimate," "predict," "propose," "possible," "potential," "continue," "ongoing," or the negative of these terms or other comparable terminology. Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include global economic conditions which may affect customer demand, the cyclical nature of the semiconductor industry, pricing and inflationary pressures, competitive actions, international trade disputes and sanctions, the impact of tariffs, and the potential impact of global pandemics, and other significant risks and uncertainties that are beyond our ability to predict or control, including those risks more fully described in our filings with the Securities and Exchange Commission, including Item 1A in Lattice's most recent Annual Report on Form 10-K, especially those under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations", all of which are expressly incorporated herein by reference.

You should not unduly rely on forward-looking statements because actual results could differ materially from those expressed in any forward-looking statements. In addition, any forward-looking statement applies only as of the date on which it is made. We do not intend to, and undertake no obligation to, update or revise any forward-looking statements, whether as a result of events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

## Use of non-GAAP Financial Information

To supplement the Company's financial statements presented on a GAAP basis, we have provided non-GAAP financial information in this presentation, including non-GAAP gross margin, gross margin percentage, earnings per share, operating profit, adjusted EBITDA, adjusted EBITDA margin, R&D expense, SG&A expense, and operating expenses. Non-GAAP financial information is not meant as a substitute for GAAP results but is included because management uses such information to evaluate and manage the Company and believes such information is useful to our investors for informational and comparative purposes. These non-GAAP measures should be considered in addition to, and not as a substitute for, the results prepared in accordance with GAAP. See the Appendix in our Q4'24 and Q1'25 earnings reports for reconciliation to most comparable GAAP measure.

## Trademarks – General Notice

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# Agenda

1

Company Overview

2

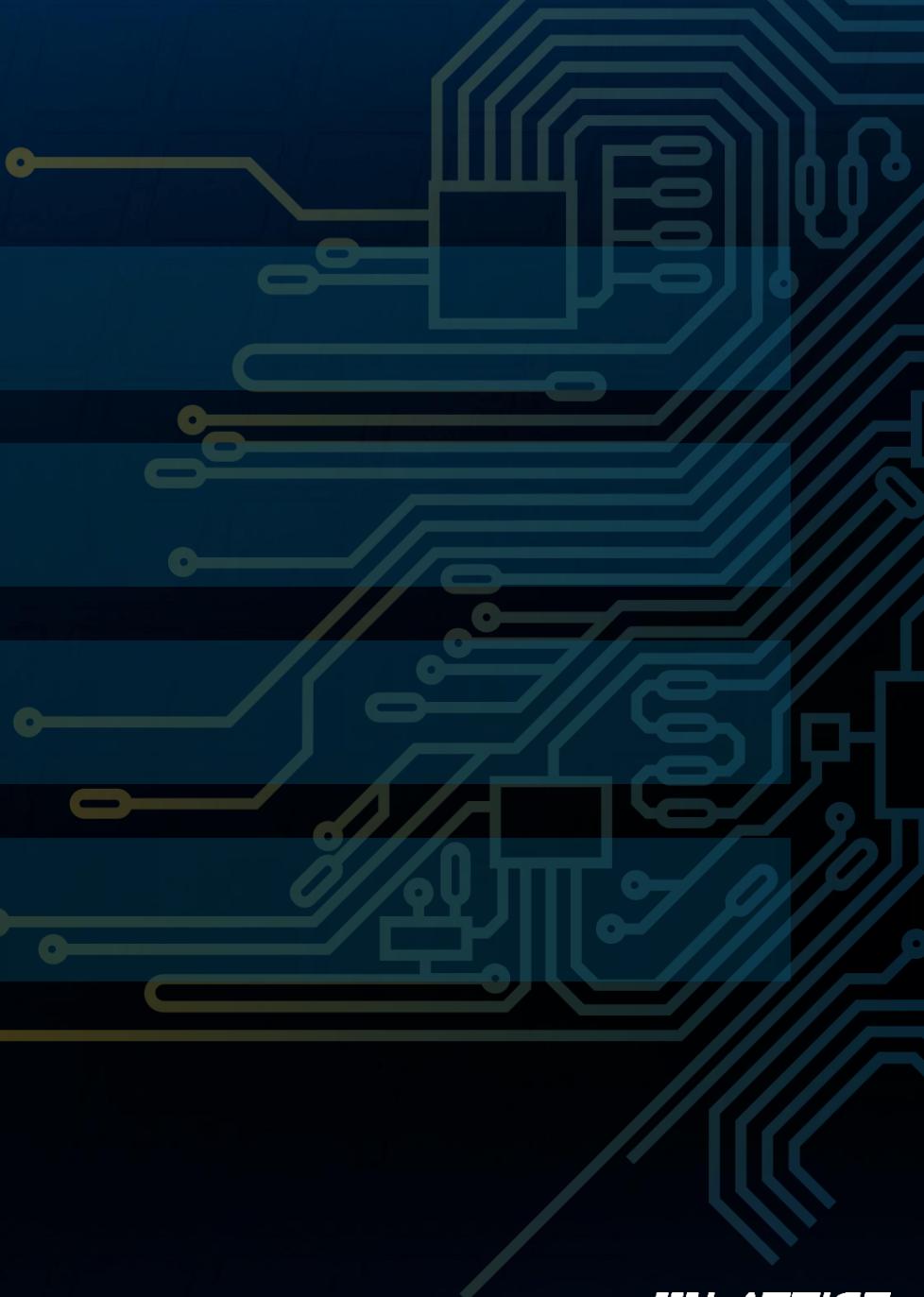
Products & Solutions

3

End Markets & Applications

4

Financials



# Our Mission



The Low Power Programmable Leader

# Lattice Semiconductor Overview

## APPLICATIONS & MARKETS

We enable secure control, flexible connectivity, and low power compute acceleration



COMMUNICATIONS & COMPUTING

45%



INDUSTRIAL & AUTOMOTIVE

46%



CONSUMER

9%

## WORLD CLASS SUPPLIER

#1

World's largest volume supplier of FPGA



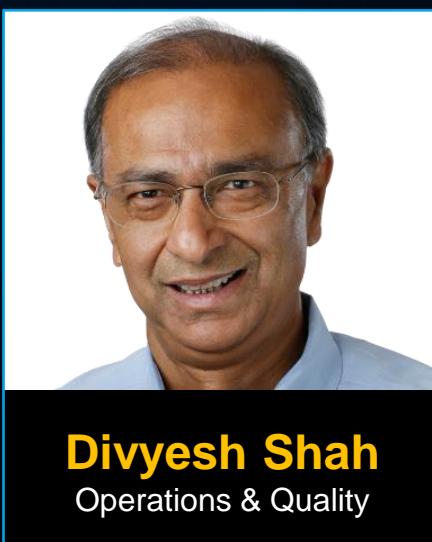
## GROWING CUSTOMER BASE



## GLOBAL SUPPORT



# Lattice Executive Leadership Team



# Holding Ourselves to the Highest Corporate Stewardship Standards

## CULTURE OF INNOVATION



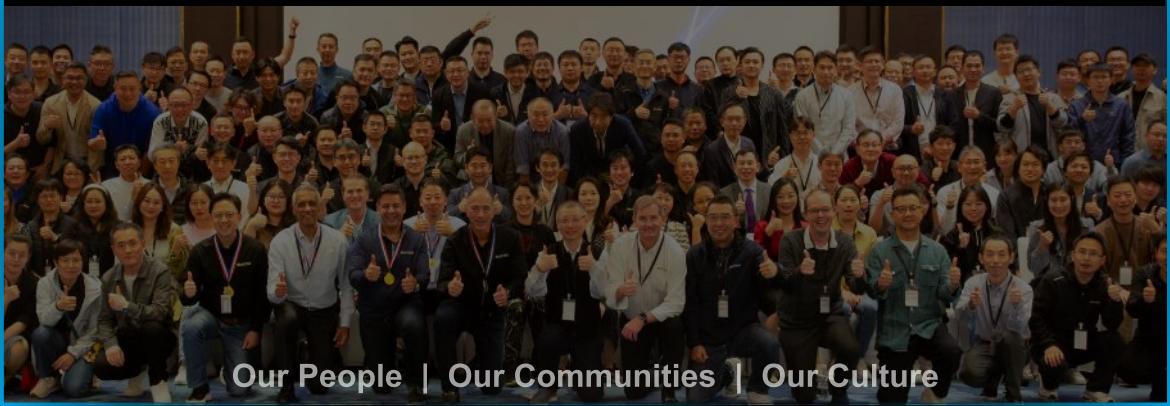
The Low Power Programmable Leader

## ENVIRONMENTALLY CONSCIOUS



Operational Excellence | Supply Chain Management

## INCLUSION & SOCIAL WELLBEING



Our People | Our Communities | Our Culture

## TRANSPARENCY & INTEGRITY



Governance Principles | Ethical Standards | Continuous Improvement

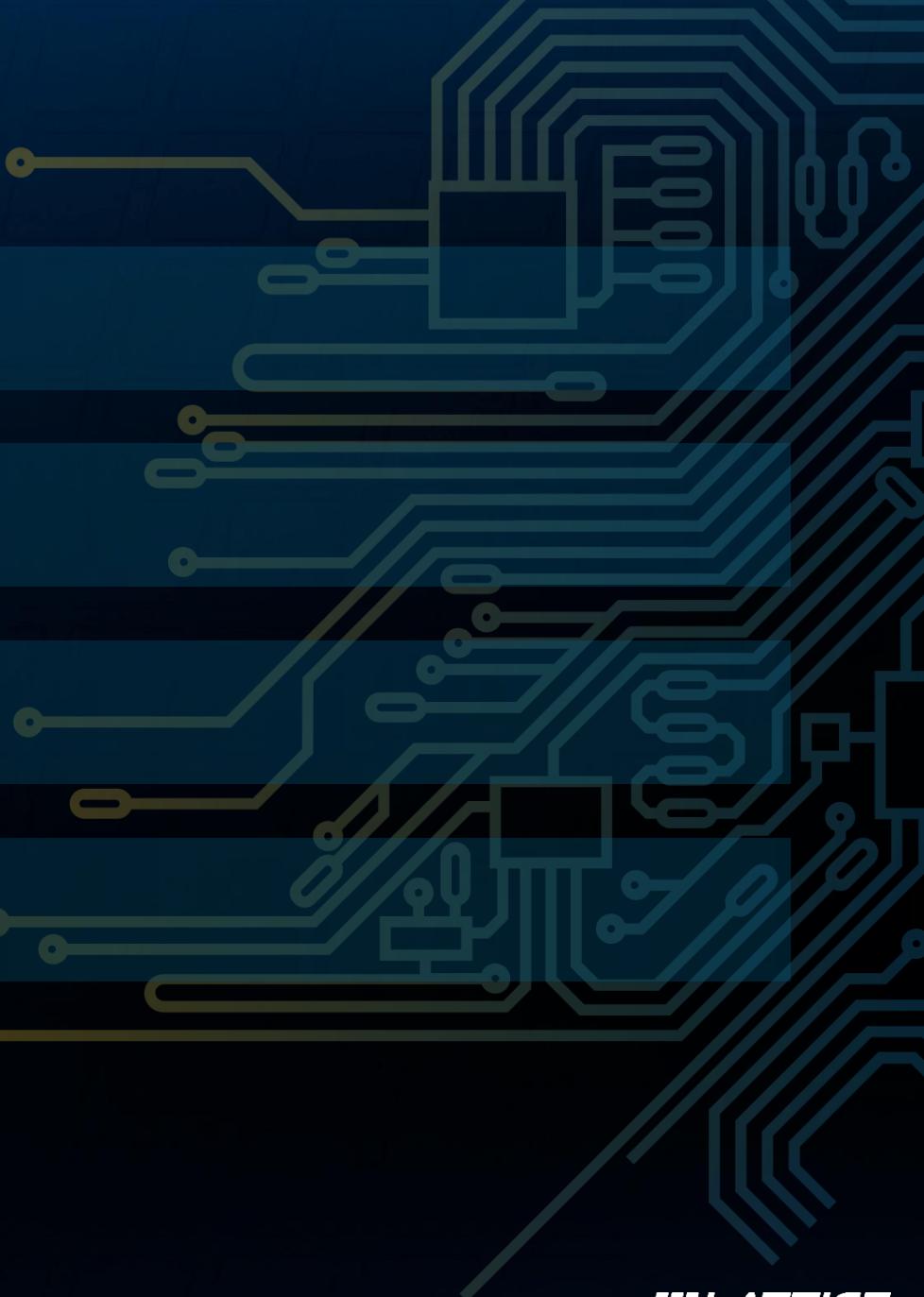
## GSA MOST RESPECTED PUBLIC COMPANY FIVE YEARS IN A ROW



## STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION

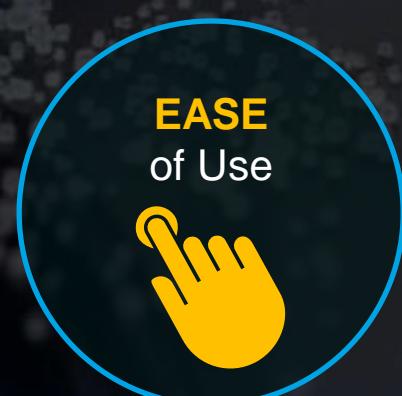
# Agenda

- 1 Company Overview
- 2 **Products & Solutions**
- 3 End Markets & Applications
- 4 Financials





## The Low Power Programmable Leader



# Lattice FPGA Portfolio

## PLATFORM

### LATTICE AVANT™

## DEVICE FAMILIES



Edge-optimized Processing



Cutting-edge General Purpose Processing



Advanced Connectivity

### LATTICE NEXUS 2



LAUNCHED DEC. 2024

#### ADVANCED GENERAL PURPOSE SMALL FPGAs

##### SYSTEM EXPANDABILITY



##### SECURE BRIDGING



### LATTICE NEXUS™



Embedded Vision Processing



General Purpose Processing



Next Gen Hardware Security



Advanced General Purpose Processing



Enhanced System Monitor and Control



Advanced System Control



Embedded Vision Processing with USB

# FPGA PLATFORM LEADERSHIP



Architected for applications requiring up to 16G SERDES and up to 200k LCs



Architected for applications requiring up to 25G SERDES and up to 500k LCs



**LOWER  
POWER**



**FASTER  
PERFORMANCE**



**SMALLER  
SIZE**

# Software Solution Stack Portfolio



Low Power Edge AI

High Performance Inferencing Under 1W

Supports Industry Standard ML Frameworks

Complete Solution Enablement



Low Power Embedded Vision

Flexible Image Sensor Bridging & Aggregation

Image Processing Integration

Complete Solution Enablement



Cyber Resilient Root of Trust

Secure Hardware Creates Root-of-Trust for Systems

Cryptographically Secured Supply Chain

Protection Against Cloning, Counterfeiting, Trojan Insertion, & Simulation



Accelerating Factory Automation

Accelerates industrial automation development

Supports use cases like motor control, real-time networking, & predictive maintenance

Complete solution enablement



Enabling ORAN Deployment

Enables zero trust security and data protection in networks

Flexible, Tight Fronthaul Synchronization

Acceleration with Low Power



Adaptable Automotive Design

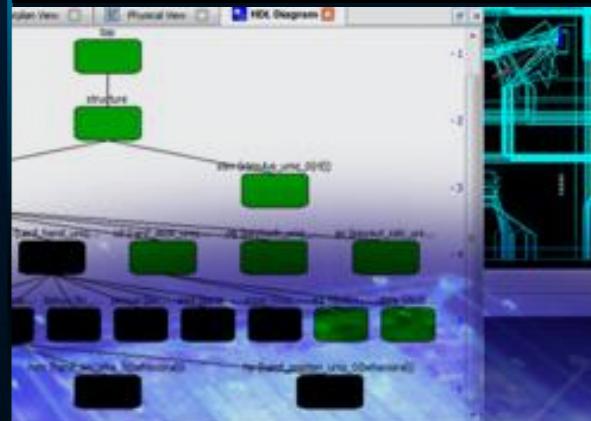
DisplayPort connectivity

Video scaling up to 4K

Local dimming for contrast enhancement

Bridging & networking

# Easy-to-use Software



## Powerful FPGA Design & Verification Environment

- Easy Design Exploration
- Easy to Use Powerful Tools
- Optimized for Lattice Devices



LATTICE  
RADIANT™  
DESIGN SOFTWARE



## Best-in-class, Easy-to-use Design Software

- Simplified Flow for Faster Design
- Increase Re-use with IP Tools
- Leading Synthesis & Simulation



## Complete Toolset for Embedded System Design

- IP System Integration Environment
- Software Development Kit & Libraries
- Build, Compile, Analyze, Debug



Glance  
by MIRAMETRIX®



## Advanced Computer Vision Software for the Edge

- Security and Privacy Protections
- Digital Wellbeing Capabilities
- Facilitates Intelligent Collaboration & Productivity

# RAPID PRODUCT PORTFOLIO EXPANSION

## SOFTWARE SOLUTIONS



IN DEVELOPMENT

## MID-RANGE FPGAs



IN DEVELOPMENT

## SMALL FPGAs



• • •



IN DEVELOPMENT

IN PLANNING



IN DEVELOPMENT

# Agenda

1

Company Overview

2

Products & Solutions

3

**End Markets & Applications**

4

Financials



# Innovation Leadership From Edge to Cloud

## DATACENTER



aws **DELL** Google **H3C**  
Hewlett Packard Enterprise **Lenovo** Meta  
Microsoft **NetApp** **SUPERMICRO**

**Top 10 Server & Storage Providers**

## COMMUNICATIONS



Adtran **ARISTA** ciena  
**CISCO** ERICSSON FUJITSU JUNIPER NETWORKS  
**NEC** **NOKIA** **SAMSUNG**

**10 Leading Comms OEMs**

## INDUSTRIAL



**ABB** **EMERSON** **ge** Honeywell  
OMRON **Panasonic**  
**Rockwell Automation** **Schneider Electric** **SIEMENS**

**Top 10 Factory Automation Leaders**

## AUTOMOTIVE



**BMW** **BYD** **Ford** **gm**  
LUCID **Maserati**  
**mazda** **Mercedes-Benz** **TESLA** **TOYOTA**

**10 Leading Auto OEMs**

## CLIENT



**ASUS** **DELL** **hp**  
**Lenovo** **LG**

**Top 5 PC OEMs - >50MU Shipped**

**Lattice is the #1 Supplier for Small FPGAs Worldwide**

# Lattice Solves Datacenter Challenges

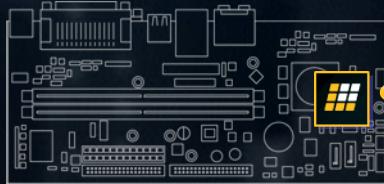
## HARDWARE ACCELERATION

Offload  
Attestation  
Reporting



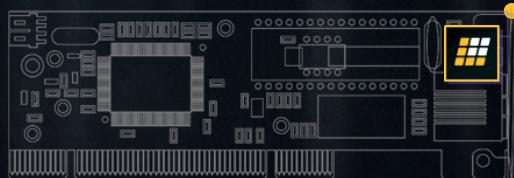
## STORAGE CARD

Key Mgmt  
Hot Swap  
Hot Plug

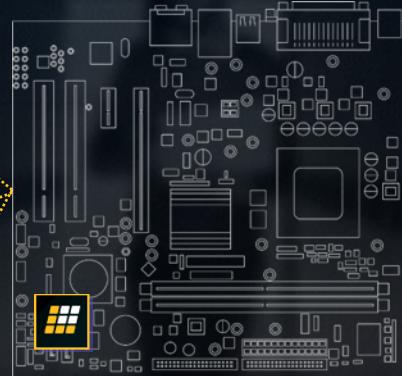


## GPU CARD

Power Control  
Reporting  
Throttling

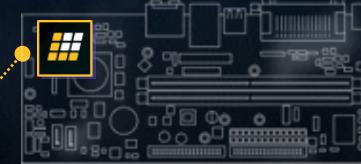


## MOTHERBOARD (CPU Agnostic)



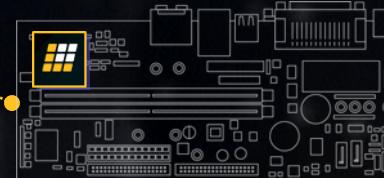
## SECURE CONTROL MODULE

BMC  
PROT / PFR  
Attestation



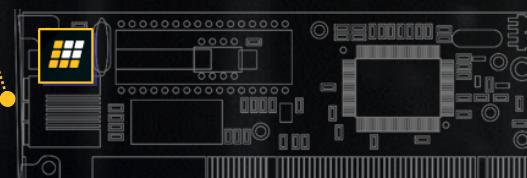
## NETWORK CARD

Power Control  
Reporting  
Offload



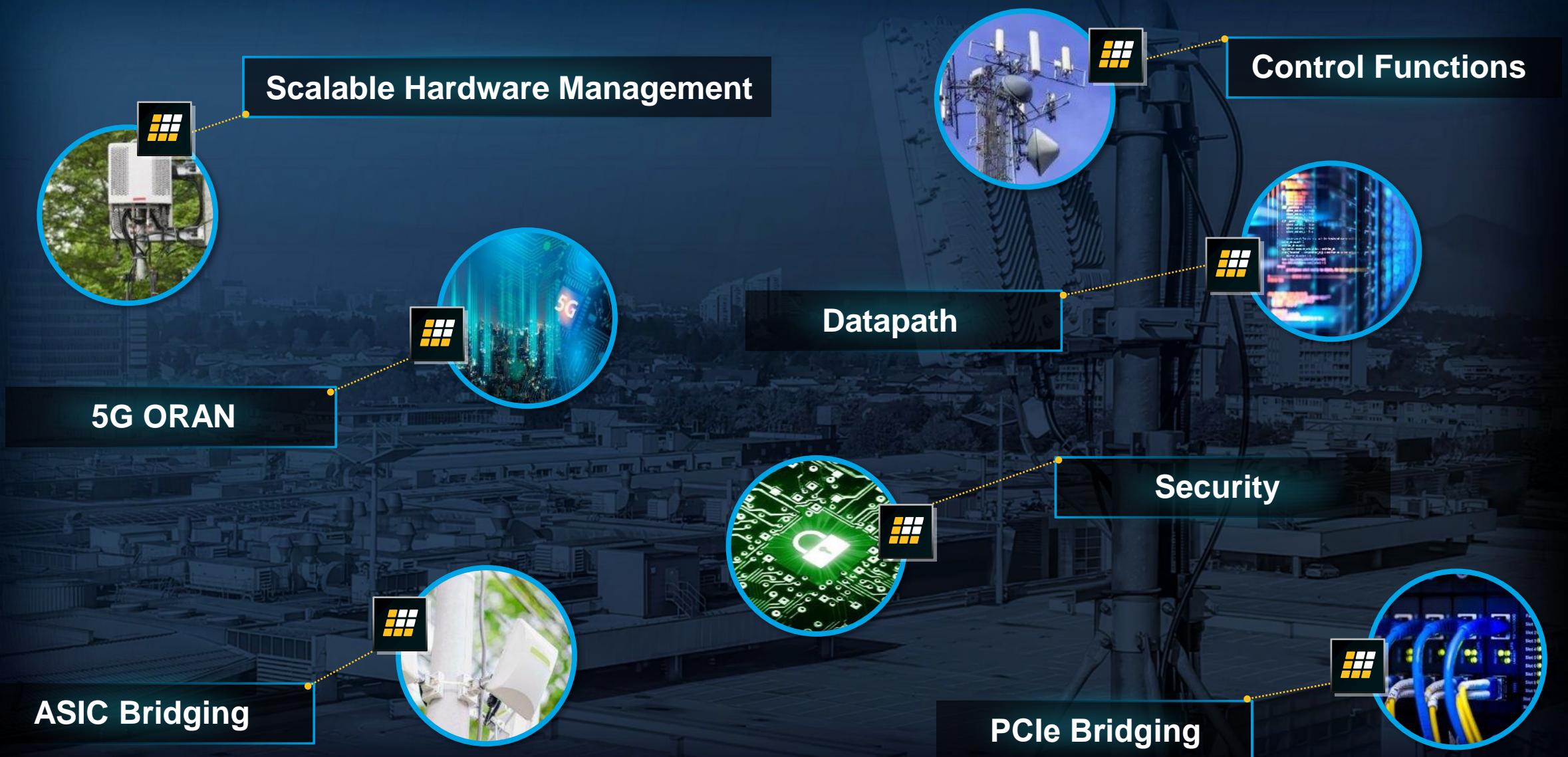
## ADD-IN CARDS

Bridging  
I/O Expansion  
Board Control  
Power Sequence  
Signal Aggregation  
Glue Logic  
Fan Control  
Re-Timer



Control  
Bridging  
Aggregation

# Lattice Solves Communications Challenges



# Lattice Solves Industrial Challenges



## Smart Factory

Collision Avoidance  
Edge Computing  
Functional Safety  
Industrial Networking  
Machine Vision  
Motor Control  
Predictive Maintenance  
Programmable Logic Control  
Object Identification  
Sensor Fusion  
Robotics



## Test & Measurement

High-Speed Data Acquisition  
Signal Processing  
Emulation and Validation  
Pattern Generation and Analysis  
Timing Analysis  
Error Detection and Correction  
Jitter and Noise Measurement  
Power Analysis  
Temperature and Stress Testing  
Portables and Handhelds



## Medical

Digital Endoscopy Systems  
MRI and CT Image Processing  
Ultrasound Signal Processing  
Electrocardiogram Signal Processing  
X-ray Processing  
Blood Analysis Equipment  
Health Monitors  
Robotic Surgery Assistants  
Secure Medical Data Processing  
Patient Monitoring Systems



## Aerospace & Defense

Radar Signal Processing  
Avionics Control Systems  
Digital Beamforming  
Satellite Communications  
GPS and Navigation Systems  
Infrared and Optical Image Processing  
Ruggedized Systems for Harsh Environments  
Secure Communications



## Broadcast / ProAV

Video Encoding/Decoding  
Live Video Streaming  
High-Resolution Video Processing  
Video Scaling and De-interlacing  
Color Correction and Enhancement  
Image Stabilization  
Audio Processing and Mixing  
Multi-Protocol Bridging  
Real-Time Graphics Overlays  
Low-Latency Switching

# Lattice Solves Human Machine Interface Challenges

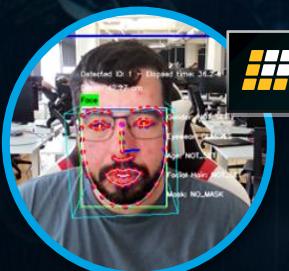
**Gesture Detection**



**Person Detection**



**Attention Sensing**



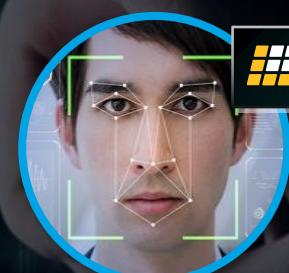
**Enhanced Security**



**Driver Monitoring**



**Audio/Visual User ID**



# Lattice Solves Automotive Challenges

## INFOTAINMENT

De-Fog  
360° Surround View

Display Bridging

ISP

## ADAS

Radar Sensor Bridging & Aggregation

Image Sensor Bridging & Aggregation

## HYBRID/ELECTRIC

Inverter / Charger

## IN-CABIN AI

Human Presence Detection  
Driver Monitoring

## SECURITY

Secure Battery Mgt.  
Secure Boot

# Lattice Solves Consumer Challenges

Drones



Smart Appliance



AR / VR



Smart Speaker



Consumer Robots



Video Surveillance



Wearable



Smart Doorbell



Smart Toys



# Lattice Drives AI Innovation

## Gen AI Servers

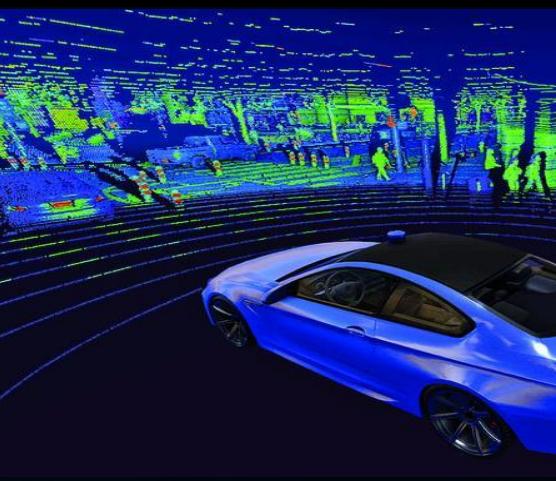


### Leading Control and Security in AI Servers

Up to >50 FPGAs per server rack

Deployed at majority of Hyperscalers and OEM/ODMs

## Sensor Proliferation



### Data Fusion and Optimized Streaming

Partnership with Nvidia to simplify sensor connectivity

Diverse sensor connectivity in autonomous systems

## Intelligent Edge



### Low Power Vision Processing

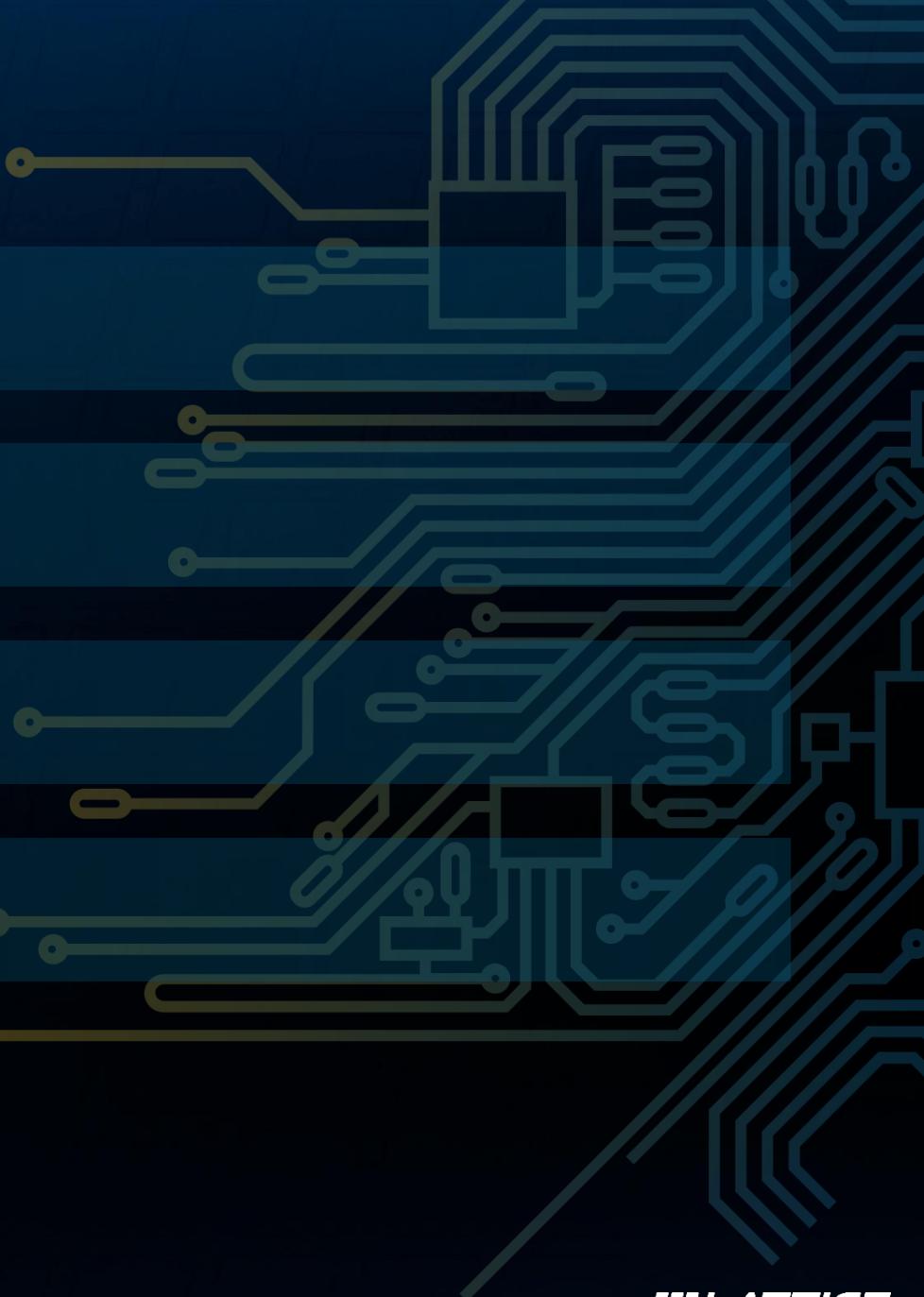
40M+ devices shipped with advanced computer vision experiences

Shipping at top Client OEMs

**Enabling AI from hybrid cloud to the intelligent edge with low power FPGAs and software**

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# Q1 2025 Earnings Overview & Highlights

## REVENUE

**\$120.1M**

2% Growth QoQ

## GROSS MARGIN

**69 %\***

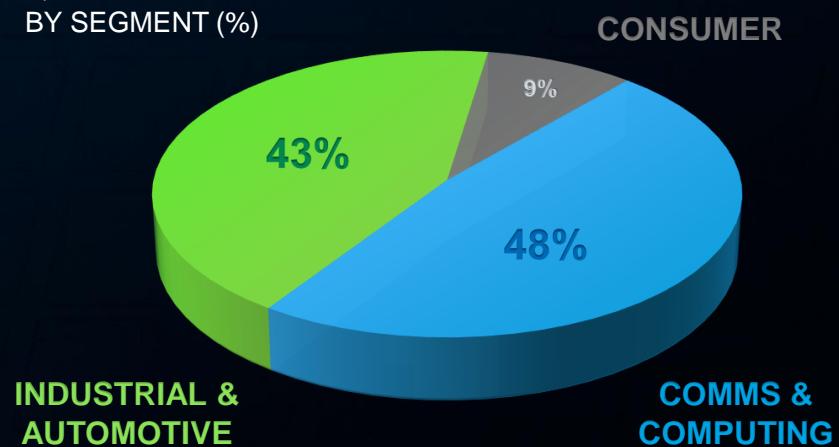
## ADJUSTED EBITDA

**33.4 %\***

"The first quarter of 2025 developed as expected, with sequential revenue growth, a record level of design wins, and a further expansion of our operating margins. Revenue and design win growth are being led by new applications, notably in generative AI in the datacenter, robotics in industrial, in-cabin and ADAS in automotive, AR/VR in consumer, security, including post-quantum cryptography, and far edge AI for lower power applications. While we are encouraged by our progress, we are monitoring the market environment, along with the broader industry, as it could have an impact on our second half of 2025 outlook." – Ford Tamer, CEO

## End Market Overview

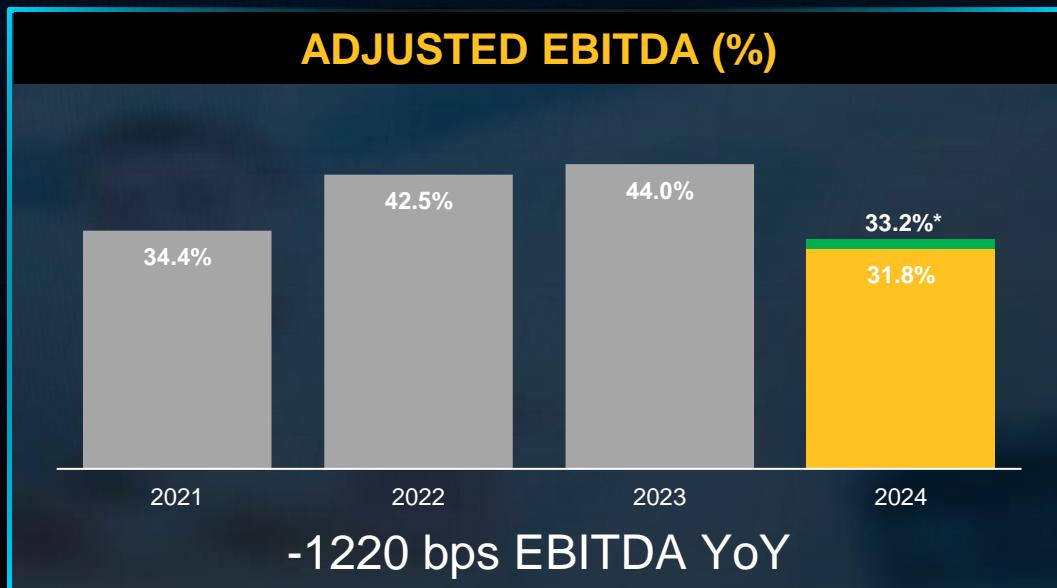
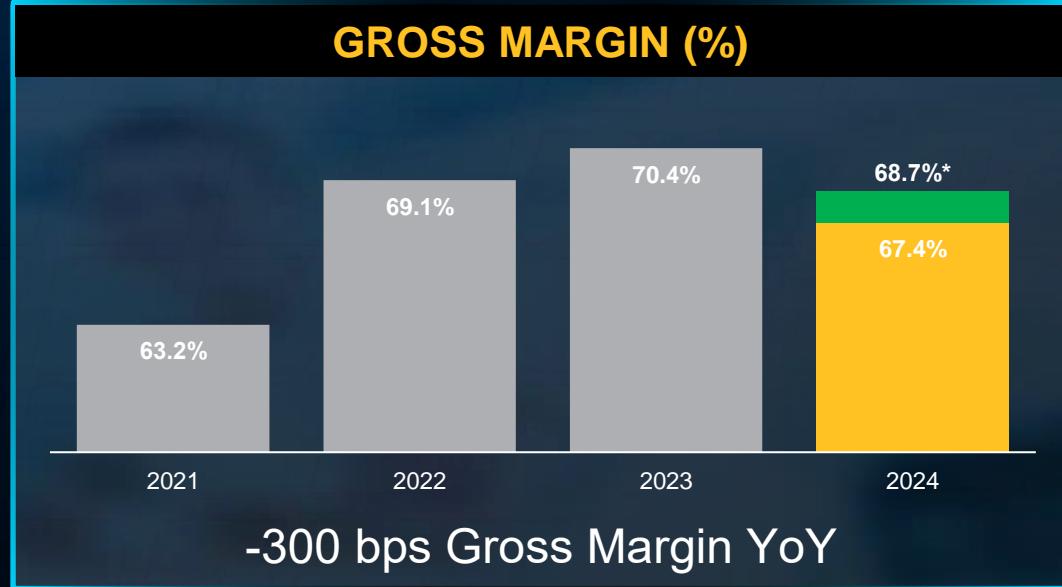
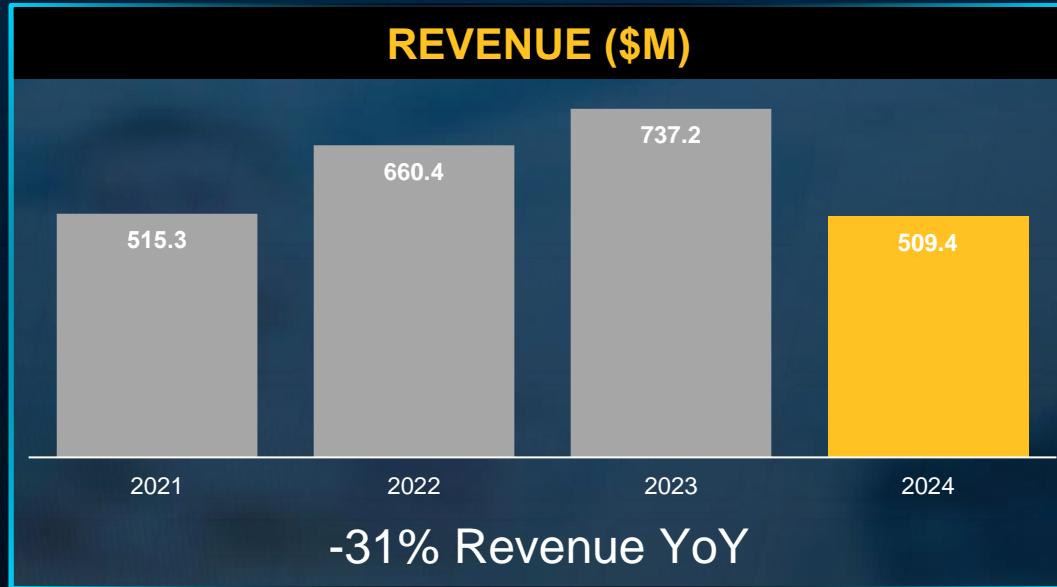
Q1'25 REVENUE  
BY SEGMENT (%)



## Highlights

- Q1'25 revenue grew sequentially; guiding Q2'25 midpoint revenue growth
- Record design wins in Q1'25
- Industrial & Automotive grew sequentially
- Server revenue grew sequentially and year-over-year, and is expected to grow in Q2'25 due to expanding content in general purpose servers and AI-optimized servers

# FY 2024 Financial Overview





The Low Power Programmable Leader