

6-K UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 6-K REPORT OF FOREIGN ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934 December 27, 2024 (Commission File Number: 001-15128) United Microelectronics Corporation (Translation of registrant's name into English) No. 3 Li-Hsin 2nd Road Hsinchu Science Park Hsinchu, Taiwan, R.O.C. (Address of principal executive office) Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F. Form 20-F ☐ Form 40-F ☐ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101 (b) (1): ☐ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101 (b) (7): ☐ SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereto duly authorized. United Microelectronics Corporation By: Chitung Liu Name: Chitung Liu Title: CFO Date: December 27, 2024 EXHIBIT INDEX Exhibit Description 99 6K on 12/27/2024 3 EX-99 www.umc.com Exhibit Exhibit Description 99 Announcement on 2024/12/19: To announce related materials on acquisition of machinery and equipment Exhibit 99 To announce related materials on acquisition of machinery and equipment 1. Name and nature of the underlying asset (e.g., land located at Sublot XX, Lot XX, North District, Taichung City): Machinery and equipment 2. Date of occurrence of the event: 2024/12/19 3. Transaction unit amount (e.g. XX square meters, equivalent to XX ping), unit price, and total transaction price: Transaction volume: one batch; average unit price: NT\$1,856,907,501; total transaction price: NT\$1,856,907,501 4. Trading counterparty and its relationship with the Company (if the trading counterparty is a natural person and furthermore is not a related party of the Company, the name of the trading counterparty is not required to be disclosed): Intel Corporation; non-related party transaction 5. Where the trading counterparty is a related party, announcement shall also be made of the reason for choosing the related party as trading counterparty and the identity of the previous owner, its relationship with the Company and the trading counterparty, and the previous date and monetary amount of transfer: NA 6. Where an owner of the underlying assets within the past five years has been a related party of the Company, the announcement shall also include the date and price of acquisition and disposal by the related party, and its relationship with the Company at the time of the transaction: NA 7. Projected gain (or loss) through disposal (not applicable for acquisition of assets; those with deferral should provide a table explaining recognition): NA 8. Terms of delivery or payment (including payment period and monetary amount), restrictive covenants in the contract, and other important terms and conditions: Base on purchase order payment term. 9. The manner of deciding on this transaction (such as invitation to tender, price comparison, or price negotiation), the reference basis for the decision on price, and the decision-making unit: transaction: price negotiation; the reference basis for the decision on price: market price; the decision-making department: the Selection Meeting. 10. Name of the professional appraisal firm or company and its appraisal price: NA 11. Name of the professional appraiser: NA 12. Practice certificate number of the professional appraiser: NA 13. The appraisal report has a limited price, specific price, or special price: NA 14. An appraisal report has not yet been obtained: NA 15. Reason for an appraisal report not being obtained: NA 16. Reason for any significant discrepancy with the appraisal reports and opinion of the CPA: NA 17. Name of the CPA firm: NA 18. Name of the CPA: NA 19. Practice certificate number of the CPA: NA 20. Broker and broker's fee: None 21. Concrete purpose or use of the acquisition or disposal: For R&D 22. Any dissenting opinions of directors to the present transaction: NA 23. Whether the counterparty of the current transaction is a related party: No 24. Date of the board of directors' resolution: NA 25. Date of ratification by supervisors or approval by the audit committee: NA 26. The transaction is to acquire a real property or right-of-use asset from a related party: No 27. The price assessed in accordance with the Article 16 of the Regulations Governing the Acquisition and Disposal of Assets by Public Companies: NA 28. Where the above assessed price is lower than the transaction price, the price assessed in accordance with the Article 17 of the same regulations: NA 29. Any other matters that need to be specified: UMC completed e-contract system signing on 2024/12/19. A