Global Semiconductor Market grows 26% in 2025 to $796B

The World Semiconductor Trade Statistics (WSTS) organization released full-year 2025 semiconductor market results, incorporating finalized fourth-quarter data.

Global semiconductor sales reached **USD 795.6 billion in 2025**, **representing an increase of 26.2 percent year-over-year** and marking one of the strongest annual expansions in the industry?s history. Growth accelerated over the course of the year, culminating in Q4 2025 revenues of USD 238.9 billion, up 38.4 percent compared to Q4 2024, reflecting strong demand across several key application areas, particularly data center infrastructure and AI-related systems.

End-market segments: Computer Applications Lead Industry Expansion

From an end-market perspective, 2025 growth was primarily driven by the Computer Segment, which expanded by more than 60 percent year-over-year. This exceptional performance reflects continued investment in data center infrastructure and AI-related computing platforms, making Computer by far the largest contributor to overall semiconductor market growth.

Government-related demand increased by 15 percent, supported by defense and infrastructure spending. The Industrial segment returned to growth with an increase of 5 percent, suggesting that the inventory corrections and weaker capital expenditure environment seen in previous years are gradually easing.

Regional Markets: Strong Growth in Asia Pacific and the Americas

Regionally, 2025 semiconductor sales increased strongly in Asia Pacific / All Others, up 45.4 percent year-over-year, followed by the Americas, which grew 31.4 percent, and China, up 17.9 percent, reflecting continued strength in data center, AI-related, and advanced logic demand. Europe recorded moderate growth of 6.7 percent, while Japan declined by 4.3 percent on a full-year basis.

Product Segments: Logic and Memory Drive Market Growth

Growth in 2025 was broad-based across most semiconductor product categories but was clearly led by Logic and Memory devices. Logic devices delivered the largest contribution to overall market expansion, supported by demand for high-performance chips used in data centers, AI accelerators, and advanced computing systems.

The Memory segment also recorded strong growth, continuing its recovery from the 2023 downturn, supported by improved pricing and strong demand for high-bandwidth and high-capacity memory solutions.

Other categories, including Microprocessors, Analog, and Sensors, recorded solid growth, while Discrete devices remained slightly negative on a full-year basis.

Outlook: Continued Global Semiconductor Growth Towards 1 trillion USD

The global semiconductor industry delivered its strongest year on record in 2025, coming close to the USD 800 billion level. Based on the latest WSTS forecast, global semiconductor sales are expected to continue expanding in 2026, with the industry approaching the 1 trillion USD milestone.

WSTS will update its consensus semiconductor market forecast in May 2026 and will communicate the results via a dedicated press release on June 2, 2026.

***About WSTS**:*

World Semiconductor Trade Statistics (WSTS) was founded in 1986 as a non-profit organization of semiconductor product companies and is the industry?s only source for monthly industry shipment statistics.

For more information, please visit the WSTS web site at www.wsts.org or contact the WSTS Administrator and CEO ? Tobias Pröttel (tp@wsts.org).

More detailed semiconductor market data are available to non-members via paid subscriptions offered through WSTS partner associations. www.wsts.org/61/subscription

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