

Global Embedded Microchips Market Growth 2026-2032

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Abstracts

The global Embedded Microchips market size is predicted to grow from US\$ 102658 million in 2025 to US\$ 186166 million in 2032; it is expected to grow at a CAGR of 8.9% from 2026 to 2032.

In 2025, global Embedded Microchip output reached about 150 billion units and global capacity of around 170 billion units. The average price is about USD 0.7 per unit, with gross margins near 48%. Embedded Microchips are semiconductor integrated circuits specifically designed to perform dedicated computing, control, sensing, communication, or signal-processing functions within embedded systems rather than general-purpose computing platforms. These chips typically include microcontrollers (MCUs), embedded processors, system-on-chip (SoC) devices, ASICs, DSPs, memory ICs, connectivity chips, and power management ICs used in automotive electronics, industrial automation, consumer electronics, IoT devices, medical equipment, aerospace systems, telecommunications infrastructure, and smart appliances. The supply chain of Embedded Microchips begins upstream with raw materials and semiconductor manufacturing equipment suppliers providing silicon wafers, rare gases, photoresists, substrates, and lithography, deposition, etching, and testing equipment. Midstream activities involve IC design companies, IP core developers, wafer foundries, semiconductor fabs, packaging and assembly providers, and OSAT (Outsourced Semiconductor Assembly and Test) companies that manufacture and package the chips. Downstream participants include module manufacturers, OEMs, EMS providers, and system integrators that embed the chips into electronic products and industrial systems. The market is strongly influenced by trends in AI edge computing, automotive electrification, industrial IoT, low-power processing, advanced packaging, and semiconductor localization initiatives across the United States, Europe, China, Japan, South Korea, and Taiwan.

United States market for Embedded Microchips is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Embedded Microchips is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Embedded Microchips is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Embedded Microchips players cover Intel, AMD, NVIDIA, Qualcomm, Texas Instruments, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Embedded Microchips Industry Forecast" looks at past sales and reviews total world Embedded Microchips sales in 2025, providing a comprehensive analysis by region and market sector of projected Embedded Microchips sales for 2026 through 2032. With Embedded Microchips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Embedded Microchips industry.

This Insight Report provides a comprehensive analysis of the global Embedded Microchips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Embedded Microchips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Embedded Microchips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Embedded Microchips and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Embedded Microchips.

This report presents a comprehensive overview, market shares, and growth opportunities of Embedded Microchips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Mature Node Microchips

Advanced Node Microchips

Segmentation by Processing Architecture:

8-bit

16-bit

32-bit

64-bit

Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial Automation

Telecom & Data Centers

Energy & Power Systems

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Intel

AMD

NVIDIA

Qualcomm

Texas Instruments

Microchip Technology

Analog Devices

Broadcom

Marvell

Apple

NXP Semiconductors

STMicroelectronics

Infineon Technologies

Sony

Renesas Electronics

Samsung

SK Hynix

HiSilicon

Loongson

MediaTek

Key Questions Addressed in this Report

What is the 10-year outlook for the global Embedded Microchips market?

What factors are driving Embedded Microchips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Embedded Microchips market opportunities vary by end market size?

How does Embedded Microchips break out by Type, by Application?

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