

# Global Automotive Memory Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Automotive Memory market size is expected to reach \$ 8739 million by 2032, rising at a market growth of 8.3% CAGR during the forecast period (2026-2032). Automotive Memory, also known as semiconductor memory, is a memory that uses semiconductor circuits as storage media. It is a memory device used to store binary data. It is an important part of modern digital systems. With the development of automobile intelligence and networking, vehicles need Processing and storing more video, voice and other data information has led to increasing demand and performance requirements for memory chips in automobiles. Therefore, the automotive industry has gradually become an important market growth area for memory chips. In 2025, global automotive memory production reached 2.161 billion units, with an average selling price of USD 2.39 per unit.

Automotive memory is moving from a 'supporting electronic component' to a core resource of in-vehicle computing platforms. The proliferation of multi-screen smart cockpits and high-resolution displays, the continuous growth of data generated by cameras, radar and other sensors, the shift toward domain controllers and centralized computing architectures, and the rising need for on-device AI such as speech and vision understanding and driving inference together are pushing DRAM bandwidth and capacity as well as the throughput and endurance requirements of in-vehicle storage such as eMMC, UFS and SSD upward. At the same time, automotive-grade reliability, functional safety, long lifecycle supply, and strict consistency validation mean competition is no longer determined by unit price alone, but increasingly by an integrated capability set covering product portfolio, automotive qualification systems, and delivery performance.

On the supply side, the market is becoming more cyclical and structurally constrained. Strong demand from AI servers is reshaping capacity allocation for advanced memory, and suppliers tend to prioritize leading-edge capacity for higher-margin AI-related

products. As a result, the automotive sector is more likely to face longer lead times and sharper price volatility for certain key specifications, with cost pressure transmitted into vehicle BOM and amplified into OEM operating uncertainty. In the near term, OEMs and Tier 1s typically improve supply certainty through long-term agreements for volume and pricing, dual or multi-sourcing strategies, and pre-buys. Over the longer term, the pace of local supplier qualification and domestic substitution will accelerate, while system-level approaches such as compute?memory co-optimization, data tiering and compression, and platform-based configuration will be adopted to reduce memory footprint and achieve a more resilient balance between performance upgrades and cost constraints.

This report studies the global Automotive Memory production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Memory and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive Memory that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Automotive Memory total production and demand, 2021-2032, (Million Units)

Global Automotive Memory total production value, 2021-2032, (USD Million)

Global Automotive Memory production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Automotive Memory consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Automotive Memory domestic production, consumption, key domestic manufacturers and share

Global Automotive Memory production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Automotive Memory production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Automotive Memory production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Automotive Memory market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Micron Technology, Samsung, SK Hynix Semiconductor, ISSI (Integrated Silicon Solution Inc.), KIOXIA, STMicroelectronics, Cypress (Infineon), Western Digital, onsemi, Nanya Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive Memory market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive Memory Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive Memory Market, Segmentation by Type:

DRAM

NOR

NAND

SRAM

EEPROM

### Global Automotive Memory Market, Segmentation by Vehicle Type:

Commercial Vehicles

Passenger Car

### Global Automotive Memory Market, Segmentation by Powertrain:

Fules Cars

Electric Vehicles

### Global Automotive Memory Market, Segmentation by Application:

Vehicle Infotainment Systems

Advanced Driver Assistance Systems (ADAS)

Telematics Control Unit (T-box)

Digital Dashboards

### **Companies Profiled:**

Micron Technology

Samsung

SK Hynix Semiconductor

ISSI (Integrated Silicon Solution Inc.)

KIOXIA

STMicroelectronics

Cypress (Infineon)

Western Digital

onsemi

Nanya Technology

Winbond

GigaDevice

Macronix

Giantec Semiconductor

**Key Questions Answered:**

1. How big is the global Automotive Memory market?
2. What is the demand of the global Automotive Memory market?
3. What is the year over year growth of the global Automotive Memory market?
4. What is the production and production value of the global Automotive Memory market?
5. Who are the key producers in the global Automotive Memory market?
6. What are the growth factors driving the market demand?

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