

# Global DDR4 Memory Chip Market Growth 2026-2032

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## Abstracts

The global DDR4 Memory Chip market size is predicted to grow from US\$ 17609 million in 2025 to US\$ 23646 million in 2032; it is expected to grow at a CAGR of 4.5% from 2026 to 2032.

DDR4 memory chips are mainstream general-purpose DRAM products between DDR3 and DDR5. Compared with DDR3, DDR4 provides higher data-transfer rates, lower operating voltage and higher device density, with a typical operating voltage of 1.2V and mainstream speeds from 2133Mbps to 3200Mbps. Although new PC and server platforms have increasingly shifted to DDR5, DDR4 still has a large installed base and a long product lifecycle in industrial control, networking, surveillance, automotive electronics, medical devices, consumer electronics and cost-sensitive PCs. In 2025, global DDR4 memory chip shipments are estimated at 12,000 million Units, with an average selling price of around 1.5 US\$/Unit. The DDR4 memory chip value chain includes upstream silicon wafers, photoresists, electronic gases, sputtering targets, wet chemicals, photomasks, lithography/etching/deposition/metrology equipment, etc.

In 2025, Samsung, SK hynix and Micron were reported to be phasing out DDR4 production as they shifted capacity toward DDR5, LPDDR5 and HBM. However, strong DDR4 pricing and continued demand from industrial, server and legacy platforms led to reports that Samsung and SK hynix extended selected DDR4 production into 2026. Therefore, DDR4 should not be described as having been completely discontinued by all major suppliers in 2025; a more accurate description is that DDR4 entered a phase of capacity reduction by leading DRAM makers, extended supply for selected long-lifecycle customers, and demand migration toward niche and specialty DRAM suppliers.

The DDR4 memory chip market is mainly supported by the large installed base of DDR4 platforms, long lifecycle demand in industrial and embedded applications, and capacity tightening on the supply side. Although new PC and server platforms are shifting to

DDR5, a large number of DDR4 motherboards, legacy servers, industrial PCs, networking devices, surveillance systems and embedded terminals remain in production, maintenance or replacement cycles. These customers prioritize platform stability, qualification history and long-term availability over maximum bandwidth. At the same time, AI server demand has pushed DRAM makers to prioritize HBM and DDR5 capacity, reducing the capacity available for DDR4 and supporting price recovery in selected segments.

LP Information, Inc. (LPI) ' newest research report, the "DDR4 Memory Chip Industry Forecast" looks at past sales and reviews total world DDR4 Memory Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected DDR4 Memory Chip sales for 2026 through 2032. With DDR4 Memory Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world DDR4 Memory Chip industry.

This Insight Report provides a comprehensive analysis of the global DDR4 Memory Chip 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 DDR4 Memory Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global DDR4 Memory Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for DDR4 Memory Chip 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 DDR4 Memory Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of DDR4 Memory Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

4Gb DDR4

8Gb DDR4

16Gb DDR4

32Gb DDR4

#### Segmentation by Grade:

Commercial Grade

Industrial Grade

Automotive Grade

#### Segmentation by Organization:

x4 DDR4

x8 DDR4

x16 DDR4

#### Segmentation by Application:

Consumer Electronics

Server and Data Center

Industrial Control

Automotive Electronics

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.

Samsung Electronics

SK hynix

Micron Technology

ChangXin Memory Technologies

Nanya Technology Corporation

Winbond

GigaDevice Semiconductor

Integrated Silicon Solution

Etron Technology

Elite Semiconductor Microelectronics Technology

Alliance Memory

Key Questions Addressed in this Report

What is the 10-year outlook for the global DDR4 Memory Chip market?

What factors are driving DDR4 Memory Chip market growth, globally and by region?  
Which technologies are poised for the fastest growth by market and region?  
How do DDR4 Memory Chip market opportunities vary by end market size?  
How does DDR4 Memory Chip break out by Type, by Application?

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