

Global DDR4 Memory Chip Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global DDR4 Memory Chip market size was valued at US\$ 18521 million in 2025 and is forecast to a readjusted size of US\$ 24500 million by 2032 with a CAGR of 4.2% during review period.

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.

This report is a detailed and comprehensive analysis for global DDR4 Memory Chip market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global DDR4 Memory Chip market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global DDR4 Memory Chip market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global DDR4 Memory Chip market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global DDR4 Memory Chip market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for DDR4 Memory Chip

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global DDR4 Memory Chip market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung Electronics, SK hynix, Micron Technology, ChangXin Memory Technologies, Nanya Technology Corporation, Winbond, GigaDevice Semiconductor, Integrated Silicon Solution, Etron Technology, Elite Semiconductor Microelectronics Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

DDR4 Memory Chip market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

4Gb DDR4

8Gb DDR4

16Gb DDR4

32Gb DDR4

Market segment by Grade

Commercial Grade

Industrial Grade

Automotive Grade

Market segment by Organization

x4 DDR4

x8 DDR4

x16 DDR4

Market segment by Application

Consumer Electronics

Server and Data Center

Industrial Control

Automotive Electronics

Others

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe DDR4 Memory Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of DDR4 Memory Chip, with price, sales quantity, revenue, and global market share of DDR4 Memory Chip from 2021 to 2026.

Chapter 3, the DDR4 Memory Chip competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

emphatically by landscape contrast.

Chapter 4, the DDR4 Memory Chip breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and DDR4 Memory Chip market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of DDR4 Memory Chip.

Chapter 14 and 15, to describe DDR4 Memory Chip sales channel, distributors, customers, research findings and conclusion.

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