

# Global HMC & HBM Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global HMC & HBM market size was valued at USD 2484.9 million in 2023 and is forecast to a readjusted size of USD 10680 million by 2030 with a CAGR of 23.2% during review period.

Hybrid Memory Cube (HMC) is a high-performance RAM interface for through-silicon vias (TSV)-based stacked DRAM memory competing with the incompatible rival interface High Bandwidth Memory (HBM).

The market for Hybrid Memory Cube (HMC) and High-Bandwidth Memory (HBM) has witnessed significant growth in recent years. HMC and HBM are advanced memory technologies that offer high bandwidth, low latency, and improved power efficiency, making them ideal for use in high-performance computing, graphics processing units (GPUs), artificial intelligence (AI), and other memory-intensive applications. The growth of the HMC and HBM market can be attributed to several factors. Firstly, the increasing demand for high-speed data processing and storage in various industries, including gaming, cloud computing, and data centers, has created a need for memory solutions that can handle large data sets and deliver faster performance. HMC and HBM address these requirements by providing substantial memory bandwidth and faster data transfer rates.

The Global Info Research report includes an overview of the development of the HMC & HBM industry chain, the market status of Graphics (Hybrid Memory Cube (HMC), High-bandwidth Memory (HBM)), High-performance Computing (Hybrid Memory Cube (HMC), High-bandwidth Memory (HBM)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of HMC & HBM.

Regionally, the report analyzes the HMC & HBM markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global HMC & HBM market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the HMC & HBM market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the HMC & HBM industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Hybrid Memory Cube (HMC), High-bandwidth Memory (HBM)).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the HMC & HBM market.

**Regional Analysis:** The report involves examining the HMC & HBM market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the HMC & HBM market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to HMC & HBM:

**Company Analysis:** Report covers individual HMC & HBM manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards HMC & HBM. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Graphics, High-performance Computing).

**Technology Analysis:** Report covers specific technologies relevant to HMC & HBM. It assesses the current state, advancements, and potential future developments in HMC & HBM areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the HMC & HBM market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

HMC & HBM market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Hybrid Memory Cube (HMC)

High-bandwidth Memory (HBM)

### Market segment by Application

Graphics

High-performance Computing

Networking

Data Centers

Major players covered

Samsung

Micron

SK Hynix

Intel

AMD

Advanced Micro Devices

Arira Design

IBM

Rambus

NVIDIA Corporation

Open-Silicon

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 HMC & HBM product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of HMC & HBM, with price, sales, revenue and global market share of HMC & HBM from 2019 to 2024.

Chapter 3, the HMC & HBM competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the HMC & HBM breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and HMC & HBM market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 HMC & HBM.

Chapter 14 and 15, to describe HMC & HBM sales channel, distributors, customers, research findings and conclusion.

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