High Bandwidth Memory Market Revenues to Reach USD 6.32 billion by 2028 - Market Size, Share, Forecasts, & Trends Analysis Report by Mordor Intelligence

According to a new market research report titled "High Bandwidth Memory Market Report (2023-2028)," the market is estimated at USD 2.04 billion in 2023. It is expected to register a CAGR of 25.36% during the forecast period.

High bandwidth memory is a fast computer memory interface for 3D-stacked SDRAM, used with graphics accelerators, network devices, and supercomputers. HBM is superior to previous technologies like GDDR5, offering better performance and power efficiency, especially for graphics applications. Growth of artificial intelligence, demand for low power consumption, high bandwidth, and device miniaturization are driving the market.

Report Summary:

Report Attribute	Details
Market Size (2023)	USD 2.04 billion
Market Size (2028)	USD 6.32 billion
CAGR (2023-2028)	25.36%
Study Period	2018-2028
Fastest Growing Market	Asia-Pacific
Largest Market	North America
Forecast Units	Value (USD billion)
Report Scope	Market Dynamics, Revenue Forecast and Segmentation, Competitive Landscape and Recent Developments, Market Growth, Future Opportunities, and Trends
Key Market Drivers	The growing need for high bandwidth, low power consumption, and highly scalable memories.
	Increasing adoption of artificial intelligence.

Who are the Top Companies in the Global High Bandwidth Memory Market?

The market is highly fragmented and competitive. It consists of several major players. Since the market is capital-intensive, the barriers to exit are also high.

The significant players in the global high bandwidth memory market are,

- Key HBM Memory Die Suppliers
    - Micron Technology Inc.
    - Samsung Electronics Co. Ltd
    - SK Hynix Inc.
- Key Stakeholders Profiles

- Intel Corporation
- Fujitsu Limited
- Advanced Micro Devices Inc.
- Xilinx Inc.
- Nvidia Corporation
- Open Silicon Inc.

Other Reports That Might Be of Your Interest:

- In-Memory Database Market Report - The in-memory database market is expected to register a CAGR of 19% over the next five years.
- Global Dynamic Random Access Memory (DRAM) Market Report - The global dynamic random access memory (DRAM) market size is estimated at USD 101.45 billion in 2023. It is expected to reach USD 118.64 billion by 2028, at a CAGR of 3.18% during the forecast period (2023-2028).

Key Highlights from the Global High Bandwidth Memory Market Report:

Growth Potential in the Automotive and Other Applications Segments

- High bandwidth memory finds applications in the automotive sector, driven by the rise of self-driving cars and the integration of advanced driver assistance systems (ADAS).
- The autonomous driving market relies on rapid data processing for interpreting the environment, creating demand for high-bandwidth memory for quick and powerful GPUs.
- ADAS technologies in the automotive industry are shifting from cost-effective memory chips to higher-performance options like HBM for better functionality.

North America's Promising Growth Prospects

- The high adoption of HBM memories in North America is driven by the growth in high-performance computing (HPC) applications requiring high-bandwidth memory solutions for fast data processing.
- Increasing demand for AI, machine learning, and cloud computing is fueling the HPC demand in North America. Rapidly changing technologies and high data generation across industries create a need for more efficient processing systems.
- Memory manufacturing companies in North America, such as Intel, are seeking production expansion opportunities to support next-generation processors like Sapphire Rapids with high-bandwidth memory (HBM) support.

What are the Latest Developments in the Global High Bandwidth Memory Market?

- In April 2023, SK Hynix announced the development of a 12-layer HBM3 and offered samples to clients such as AMD.
- In January 2022, the JEDEC Solid State Technology Association released JESD238 HBM3, the latest version of its high bandwidth memory DRAM standard.

Mordor Intelligence has Segmented the Global High Bandwidth Memory Market Based on Application and Geography.

- By Application (Market Size and Forecast based on Value (USD billion), 2018-2028)
    - Servers
    - Networking
    - Consumer
    - Automotive and Other Applications

- By Geography (Market Size and Forecast based on Value (USD billion), 2018-2028)
    - North America
    - Japan
    - China
    - Europe
    - Rest of the World

In a nutshell, the Mordor Intelligence market research report is a must-read for start-ups, industry players, investors, researchers, consultants, business strategists, and all those who are looking to understand this industry. Get a glance at the Global High Bandwidth Memory Market Report (2023-2028).

Mordor Intelligence constantly tracks industry trends. Some relevant market reports from the analysts that might be of interest to you:

- NAND Flash Memory Market Report - The NAND flash memory market size is estimated at USD 78.81 billion in 2023. It is expected to reach USD 96.76 billion by 2028, at a CAGR of 4.19% during the forecast period (2023-2028).
- Non-Volatile Memory Market Report - The non-volatile memory market size is estimated at USD 84.57 billion in 2023. It is expected to reach USD 147.45 billion by 2028, at a CAGR of 11.76% during the forecast period (2023-2028).
- Cloud Storage Market Report - The cloud storage market is valued at 94.43 billion in 2023. It is expected to record a CAGR of 24% to reach 276.88 billion by 2028.

About Mordor Intelligence:

Mordor Intelligence is a market intelligence and advisory firm. At Mordor Intelligence, we believe in predicting butterfly effects that have the potential to change or significantly impact market dynamics.

Our market research reports are comprehensive and provide exclusive data, facts and figures, trends, and the competitive landscape of the industry.