Hybrid Memory Cube and High-Bandwidth Memory Market by Density (2GB, 4GB and 8GB), Application (Enterprise Storage, Consumer Electronics (PCS, Gaming Consoles and Laptops) and Networking and Telecommunication), & Geography - Global Forecast to 2022

Description: “Hybrid Memory Cube and High-Bandwidth Memory market to grow at a CAGR of 56.96%”

According to the new market research report on Hybrid Memory Cube and High-Bandwidth Memory, this market is expected to be worth USD 953.8 million by 2022, growing at a CAGR of 53.96% between 2016 and 2022. The growth of the Hybrid Memory Cube and High-Bandwidth Memory market can be attributed to its growing applications in the networking and enterprise storage sector. The exponentially increasing demand for an enriched end-user experience and increased performance in next-generation mainstream computing applications is driving the market for high-density Hybrid Memory Cube and High-Bandwidth Memory devices. The DRAM memory manufacturing industry is expected to face significant challenges over the next six to eight years as it would witness the evolution of these memory technologies.

“Hybrid Memory Cube and High-Bandwidth Memory market in APAC expected to grow at the highest rate”

This report covers regions including North America, Europe, Asia-Pacific, and Rest of the World (RoW). The market in APAC is expected to grow at a high CAGR between 2016 and 2022. The major drivers for the growth of the Hybrid Memory Cube and High-Bandwidth Memory market in APAC are the rising demand for data centers in enterprise storage applications and increasing manufacturing activities in the automotive and industrial sectors, backed by strong economic growth.

Breakdown of profile of primary participants:
- By Company Type: Tier 1 - 25%, Tier 2 - 50%, and Tier 3 - 25%
- By Designation: C level - 35%, Director level - 25%, and others - 40%
- By Region: North America - 45%, APAC - 20%, Europe - 30%, and RoW - 5%

The companies that are profiled in the report are Samsung Electronics Co., Ltd. (South Korea), SK Hynix, Inc. (South Korea), Micron Technology, Inc. (U.S.), Intel Corporation (U.S.), Fujitsu Ltd. (Japan), IBM (U.S.), Xilinx Inc. (U.S.), Advanced Micro Devices, Inc. (U.S.), Nvidia Corporation (U.S.), Open-Silicon, Inc. (U.S.) and Arira (U.S.)

Reasons to buy the report:
- This report includes the market statistics pertaining to type, application and geography along with their respective revenue.
- The Porter’s Five Forces framework has been provided along with the value chain analysis to provide an in-depth insight into the Hybrid Memory Cube and High-Bandwidth Memory market.
- The major drivers, restraints, challenges, and opportunities for the Hybrid Memory Cube and High-Bandwidth Memory market have been detailed in this report.
- Illustrative segmentation, analysis, and forecast for markets based on type, application, and geography have been conducted to give an overall view of the Hybrid Memory Cube and High-Bandwidth Memory market.
- A detailed competitive landscape has been provided including key players, in-depth analysis, and revenue of key players.

Contents:
1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Market Scope
1.3.1 Markets Covered
1.3.2 Years Considered for the Study
1.4 Currency
1.5 Limitation
1.6 Stakeholders

2 Research Methodology
2.1 Introduction
2.1.1 Secondary Data
2.1.1.1 Key Data from Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data from Primary Sources
2.1.2.2 Key Industry Insights
2.2 Market Size Estimation
2.2.1 Bottom-Up Approach
2.2.2 Top-Down Approach
2.3 Market Breakdown & Data Triangulation
2.4 Research Assumptions And Limitations
2.4.1 Assumptions

3 Executive Summary

4 Premium Insights
4.1 Increasing Research & Development Activities Expected to Offer New Growth Avenues for the Hybrid Memory Cube And High-Bandwidth Memory Market
4.2 Hybrid Memory Cube, And High-Bandwidth Memory Market Growth, By Application
4.3 Hybrid Memory Cube And High-Bandwidth Memory Market in Apac
4.4 Hybrid Memory Cube And High-Bandwidth Memory Market, By Region
4.5 Hybrid Memory Cube And High-Bandwidth Memory Market, By Consumer Electronics Application
4.6 Hybrid Memory Cube And High-Bandwidth Memory Markets, By Application (2022)

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.2.1 Hybrid Memory Cube And High-Bandwidth Memory Market, By Density
5.2.2 Hybrid Memory Cube And High-Bandwidth Memory Market, By Application
5.2.3 Hybrid Memory Cube And High-Bandwidth Memory Market, By Geography
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Need for High-Bandwidth, Low-Power Consuming, And Highly Scalable Memory Device
5.3.1.2 Growing Demand for Enterprise Storage Application
5.3.2 Restraints
5.3.2.1 Declining Asp of Traditional Dram Memory
5.3.3 Opportunities
5.3.3.1 Increasing Adoption of Cloud-Based Services
5.3.3.2 Growing Big Data Applications
5.3.4 Challenge
5.3.4.1 Manufacturing And Fabrication Challenge

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Porter’s Five Forces Analysis
6.3.1 Threat of New Entrants
6.3.2 Threat of Substitutes
6.3.3 Bargaining Power of Suppliers
6.3.4 Bargaining Power of Buyers
6.3.5 Intensity of Rivalry

7 Hybrid Memory Cube And High-Bandwidth Memory Market, By Density
7.1 Introduction
7.2 Hybrid Memory Cube (Hmc)
7.2.1 Hybrid Memory Cube Consortium (Hmcc) Specification 1.1 And 2.0
7.2.2 Hybrid Memory Cube (2Gb)
7.2.3 Hybrid Memory Cube (4Gb)
7.3 High-Bandwidth Memory(Hbm)
7.3.1 Jedec High-Bandwidth Memory Generation 1 And 2 Specification
7.3.2 High-Bandwidth Memory (2Gb)
7.3.3 High-Bandwidth Memory (4Gb)
7.3.4 High-Bandwidth Memory (8Gb)

8 Hybrid Memory Cube And High-Bandwidth Memory Market, By Application
8.1 Introduction
8.2 Enterprise Storage
8.3 Consumer Electronics
8.3.1 Pcs
8.3.2 Laptops
8.3.3 Gaming Consoles
8.4 Networking & Telecommunication
8.5 Industrial Applications

9 Geographic Analysis
9.1 Introduction
9.2 North America
9.2.1 U.S.
9.2.2 Canada
9.2.3 Mexico
9.3 Europe
9.3.1 U.K.
9.3.2 Germany
9.3.3 France
9.3.4 Others
9.4 Apac
9.4.1 China
9.4.2 Japan
9.4.3 South Korea
9.4.4 Taiwan
9.4.5 Others
9.5 Rest of the World (Row)
9.5.1 South America
9.5.2 Middle East
9.5.3 Africa

10 Competitive Landscape
10.1 Overview
10.2 Hybrid Memory Cube And High-Bandwidth Memory Market: Comparative Analysis
10.3 Market Ranking Analysis: Hybrid Memory Cube And High-Bandwidth Memory Market, 2015
10.4 Competitive Situations And Trends
10.4.1 New Product Launches
10.4.2 Contracts, Patnerships, And Collaborations
10.4.3 Acquisitions
10.4.4 Expansions

11 Company Profile
(Overview, Financial*, Products & Services, Strategy, And Developments)
11.1 Introduction
11.2 Micron Technology, Inc.
11.3 Samsung Electronics Co., Ltd.
11.4 Sk Hynix, Inc.
11.5 Advanced Micro Devices, Inc.
11.6 Intel Corporation
11.7 Fujitsu Ltd.
11.8 Ibm Corporation
11.9 Xilinx Inc.
11.10 Nvidia Corporation
11.11 Open-Silicon, Inc.
11.12 Arira

*Details Might Not Be Captured in Case of Unlisted Companies

12 Appendix
12.1 Insights of Industry Experts
12.2 Discussion Guide
12.3 Knowledge Store: Marketsandmarkets' Subscription Portal
12.4 Introducing Rt: Real-Time Market Intelligence
12.5 Available Customizations
12.6 Related Reports

List of Tables:
Table 1 Growing Demand for Enterprise Storage Application Propels the Growth of the Hybrid Memory Cube And High-Bandwidth Memory Market
Table 2 Declining Asp of Volatile Memory Expected to Restrain the Growth of the Hybrid Memory Cube And High-Bandwidth Memory Market
Table 3 Growing Big Data Applications Would Drive the Demand for Hybrid Memory Cube And High-Bandwidth Memory Market
Table 4 Manufacturing And Fabrication Challenge is the Major Challenge for the Hybrid Memory Cube Market
Table 5 Hybrid Memory Cube & High-Bandwidth Memory Market, 2015-2022 (USD Million)
Table 6 Hybrid Memory Cube Market, By Application, 2015-2022 (USD Million)
Table 7 Hybrid Memory Cube Market, By Consumer Electronics Application, 2015-2022 (USD Million)
Table 8 Comparison Between Ddr3 And Ddr4 Vs. Hybrid Memory Cube
Table 9 Comparison Between Hybrid Memory Cube Consortium Version 1.1 And 2.0
Table 10 2Gb Hybrid Memory Cube Specifications
Table 11 4Gb Hybrid Memory Cube Specifications
Table 12 Hybrid Memory Cube Market, By Density, 2015-2022 (USD Million)
Table 13 Comparison Between Ddr3 And Gddr5 Vs. High-Bandwidth Memory
Table 14 High-Bandwidth Memory Market, By Application, 2015-2022 (USD Million)
Table 15 High-Bandwidth Memory Market, By Consumer Electronics Application, 2015-2022 (USD Million)
Table 16 Comparison Between Hbm1 And Hbm2
Table 17 2Gb High-Bandwidth Memory Hbm2 Specifications
Table 18 4Gb High-Bandwidth Memory Hbm2 Specifications
Table 19 8Gb High-Bandwidth Memory Hbm2 Specifications
Table 20 High-Bandwidth Memory Market, By Density, 2015-2022 (USD Million)
Table 21 Hybrid Memory Cube & High-Bandwidth Memory Market, By Application, 2015-2022 (USD Million)
Table 22 Hybrid Memory Cube And High-Bandwidth Memory Market for Enterprise Storage, By Type, 2015-2022 (USD Million)
Table 23 Hybrid Memory Cube And High-Bandwidth Memory Market for Enterprise Sector, By Region, 2015-2022 (USD Million)
Table 24 Hybrid Memory Cube And High-Bandwidth Memory Market for Consumer Electronics, By Type, 2015-2022 (USD Million)
Table 25 Hybrid Memory Cube And High-Bandwidth Memory Market for Consumer Electronics, By Region, 2015-2022 (USD Million)
Table 26 Hybrid Memory Cube And High-Bandwidth Memory Market, By Consumer Electronics Application, 2015-2022 (USD Million)
Table 27 Hybrid Memory Cube And High-Bandwidth Memory Market for Pcs, By Type, 2015-2022 (USD Million)
Table 28 Hybrid Memory Cube And High-Bandwidth Memory Market for Pcs, By Region, 2015-2022 (USD Million)
Table 29 Hybrid Memory Cube And High-Bandwidth Memory Market for Laptops, By Type, 2015-2022 (USD Million)
Table 30 Hybrid Memory Cube And High-Bandwidth Memory Market for Laptops, By Region, 2015-2022 (USD Million)
Table 31 Hybrid Memory Cube And High-Bandwidth Memory Market for Gaming Consoles, By Type, 2015-2022 (USD Million)
Table 32 Hybrid Memory Cube And High-Bandwidth Memory Market for Gaming Consoles, By Region, 2015-2022 (USD Million)
Table 33 Hybrid Memory Cube And High-Bandwidth Memory Market for Networking & Telecommunication, By Type, 2015-2022 (USD Million)
Table 34 Hybrid Memory Cube And High-Bandwidth Memory Market for Networking & Telecommunication, By Region, 2015-2022 (USD Million)
Table 35 Hybrid Memory Cube And High-Bandwidth Memory Market in Industrial Application, By Type, 2015-2022 (USD Million)
Table 36 Hybrid Memory Cube And High-Bandwidth Memory Market in Industrial Application, By Region, 2015-2022 (USD Million)
Table 37 Hybrid Memory Cube & High-Bandwidth Memory Market, By Region, 2015-2022 (USD Million)
Table 40 Hybrid Memory Cube & High-Bandwidth Memory Market in Europe, By Application, 2015-2022 (USD Million)
Table 41 Hybrid Memory Cube & High-Bandwidth Memory Market in Europe, By Country, 2015-2022 (USD Million)
Table 42 Hybrid Memory Cube & High-Bandwidth Memory Market in Apac, By Application, 2015-2022 (USD Million)
Table 43 Hybrid Memory Cube & High-Bandwidth Memory Market in Apac, By Country, 2015-2022 (USD Million)
Table 44 Hybrid Memory Cube & High-Bandwidth Memory Market in Row, By Application, 2015-2022 (USD Million)
Table 45 Hybrid Memory Cube & High-Bandwidth Memory Market in Row, By Region, 2015-2022 (USD Million)
Table 46 Global Hybrid Memory Cube And High-Bandwidth Memory Market Rating, By Key Player, 2015
Table 47 Global Hybrid Memory Cube And High-Bandwidth Memory Market Ranking, By Key Player, 2015
Table 48 New Product Launches, 2013-2016
Table 49 Contracts, Partnerships, Collaborations, 2013-2015
Table 50 Acquisitions, 2013-2015
Table 51 Expansions, 2014-2015

List of Figures:
Figure 1 Markets Covered
Figure 2 Research Design
Figure 3 Research Methodology
Figure 4 Breakdown of Primaries
Figure 5 Market Size Estimation Methodology: Bottom-Up Approach
Figure 6 Market Size Estimation Methodology: Top-Down Approach
Figure 7 Data Triangulation
Figure 8 Hybrid Memory Cube And High-Bandwidth Memory Market Size, By Application (2016 Vs. 2022)
Figure 9 Enterprise Storage Sector Expected to Grow at the Highest Rate Between 2016 And 2022
Figure 10 Hybrid Memory Cube And High-Bandwidth Memory Market, By Region, 2015
Figure 11 Networking And Enterprise Storage Segment to Contribute Highly to the Hybrid Memory Cube And High-Bandwidth Memory Market During the Forecast Period
Figure 12 Networking And Telecommunication Application Dominated the Overall Hybrid Memory Cube And High-Bandwidth Memory Market (2015)
Figure 13 China Held the Largest Share of the Apac Market in 2015
Figure 14 North America Held the Largest Market Share of the Hybrid Memory Cube And High-Bandwidth Memory Market in 2015
Figure 15 Gaming Consoles Segment Expected to Grow at the Highest CAGR During the Forecast Period
Figure 16 High-Bandwidth Memory Expected to Be the Most Preferred Memory Type for Consumer Electronics Application
Figure 17 Segmentation, By Geography
Figure 18 Increased Demand for High Bandwidth And Low Power Consumption in the Hybrid Memory Cube And High-Bandwidth Memory Market
Figure 19 Value Chain Analysis (2015): Major Value is Added During the Fabrication And Semiconductor Device Manufacturing Phase
Figure 20 Porter’S Five Forces Analysis
Figure 21 High-Bandwidth Memory Market Expected to Grow at a Higher Rate During the Forecast Period
Figure 22 Networking And Telecommunication Market Expected to Dominate the Hybrid Memory Cube Market in 2016
Figure 23 Market for Enterprise Storage Segment Expected to Grow at the Highest Rate During the Forecast Period
Figure 24 Hybrid Memory Cube And High-Bandwidth Memory Market, By Application
Figure 25 Enterprise Storage Application Expected to Lead the Hybrid Memory Cube And High-Bandwidth Memory Market By 2022
Figure 26 Gaming Console Growing at the Highest Rate for Hybrid Memory Cube And High-Bandwidth Memory in Consumer Electronics Segment (2016-2022)
Figure 27 High-Bandwidth Memory to Have Higher Growth Rate in Networking & Telecommunication As Compared to Hybrid Memory Cube During the Forecast Period
Figure 28 China Expected to Grow at the Highest Rate During the Forecast Period
Figure 29 Geographic Benchmarking of Different Applications (2016-2022)
Figure 30 North America Market Snapshot: Demand Would Be Driven By the Growth in the Enterprise Storage Sector
Figure 31 Asia-Pacific Hybrid Memory Cube & High-Bandwidth Memory Market Snapshot: China to Be the
Fastest-Growing Market
Figure 32 China Holds the Largest Share of the Apac Market for Hybrid Memory Cube And High-Bandwidth Memory Market (2015)
Figure 33 Hybrid Memory Cube And High-Bandwidth Memory Industry Players Prefer New Product Launches As the Key Strategy
Figure 34 Battle for Market Share: Companies Follow New Product Launches As the Key Strategy
Figure 35 Market Evolution Framework: Various New Product Launches Fueled the Growth of the Hybrid Memory Cube And High-Bandwidth Memory Market Between 2013 And 2015
Figure 36 Geographic Revenue Mix of Top Five Market Players
Figure 37 Micron Technology, Inc.: Company Snapshot
Figure 38 Samsung Electronics Co., Ltd: Company Snapshot
Figure 39 Samsung Electronics Co., Ltd: Swot Analysis
Figure 40 Sk Hynix, Inc.: Company Snapshot
Figure 41 Sk Hynix, Inc.: Swot Analysis
Figure 42 Advanced Micro Devices, Inc.: Company Snapshot
Figure 43 Advanced Micro Devices, Inc.: Swot Analysis
Figure 44 Intel Corporation: Company Snapshot
Figure 45 Intel Corporation: Swot Analysis
Figure 46 Fujitsu Ltd: Company Snapshot
Figure 47 Ibm Corporation: Company Snapshot
Figure 48 Xilinx Inc., Ltd: Company Snapshot
Figure 49 Nvidia Corporation: Company Snapshot

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3673389/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Hybrid Memory Cube and High-Bandwidth Memory Market by Density (2GB, 4GB and 8GB), Application (Enterprise Storage, Consumer Electronics (PCS, Gaming Consoles and Laptops) and Networking and Telecommunication), & Geography - Global Forecast to 2022

Web Address: http://www.researchandmarkets.com/reports/3673389/
Office Code: SCBRZ4TO

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Entreprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: ________________________ Last Name: ________________________
Email Address: * ________________________
Job Title: ________________________
Organisation: ________________________
Address: ________________________
City: ________________________
Postal / Zip Code: ________________________
Country: ________________________
Phone Number: ________________________
Fax Number: ________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code:

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World