

# Next Generation Memory Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview:

The global next generation memory market size reached US\$ 4.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 21.4 Billion by 2028, exhibiting a growth rate (CAGR) of 26.9% during 2023-2028.

Next generation memory refers to a fast, efficient and cost-effective storage solution that can store more data than silicon chips. It consequently finds extensive applications in the telecommunications, information technology (IT), and banking, financial services and insurance (BFSI) industries across the globe. At present, there is a surge in the requirement for high bandwidth, low power consumption, and highly scalable memory devices that rely on artificial intelligence (AI), the Internet of things (IoT), big data and other technologies. This, in turn, is catalyzing the demand for next generation memory.

#### Non-Volatile

Magneto-Resistive Random-Access Memory (MRAM)

Ferroelectric RAM (FRAM)

Resistive Random-Access Memory (ReRAM)

3D Xpoint

Nano RAM

Other Non-Volatile Technologies (Phase change RAM, STT-RAM, and SRAM)

#### Volatile

Hybrid Memory Cube (HMC)

High-Bandwidth Memory (HBM)

### Breakup by Wafer Size:

- 200 mm
- 300 mm
- 450 mm

### Breakup by Storage Type:

- Mass Storage
- Embedded Storage
- Others

### Breakup by Application:

- BFSI
- Consumer Electronics
- Government
- Telecommunications
- Information Technology
- Others

### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom

Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Avalanche Technology, Crossbar Inc., Fujitsu Limited, Honeywell International Inc., Infineon Technologies AG, Intel Corporation, Micron Technology Inc., Nantero Inc., Samsung Electronics Co. Ltd., SK hynix Inc., Spin Memory Inc. and Taiwan Semiconductor Manufacturing Co. Ltd.

#### Key Questions Answered in This Report:

How has the global next generation memory market performed so far and how will it perform in the coming years?  
What has been the impact of COVID-19 on the global next generation memory market?  
What are the key regional markets?  
What is the breakup of the market based on the technology?  
What is the breakup of the market based on the wafer size?  
What is the breakup of the market based on the storage type?  
What is the breakup of the market based on the application?  
What are the various stages in the value chain of the industry?  
What are the key driving factors and challenges in the industry?  
What is the structure of the global next generation memory market and who are the key players?  
What is the degree of competition in the industry?

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