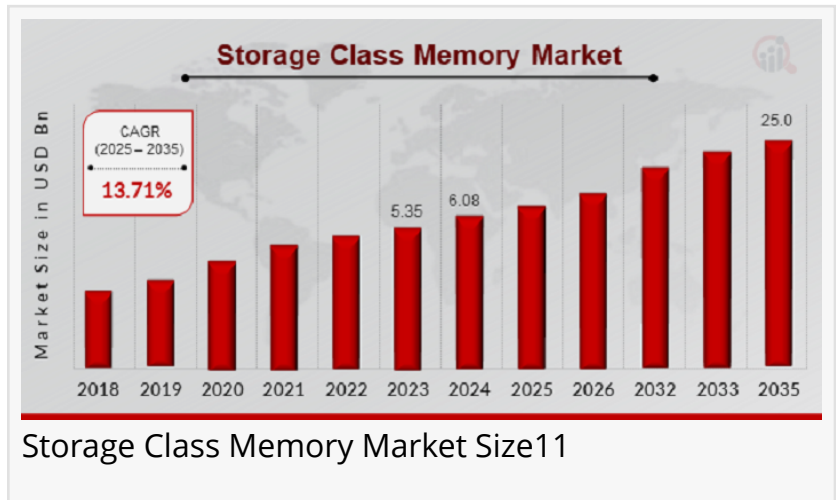


# Storage Class Memory Market to Reach USD 25.0 Billion by 2035, Growing at 13.71% CAGR

*Storage Class Memory Market – A market focused on high-performance memory technologies bridging the gap between DRAM and storage for faster data access.*

NEW YORK,, NY, UNITED STATES, April 11, 2025 /EINPresswire.com/ -- According to a new report published by Market Research Future (MRFR), According to MRFR analysis, the [Storage Class Memory Market](#) was valued at USD 5.35 billion in 2023. It is

projected to grow from USD 6.08 billion in 2024 to USD 25.0 billion by 2035, registering a compound annual growth rate (CAGR) of 13.71% during the forecast period from 2025 to 2035.



The Storage Class Memory (SCM) market is gaining significant traction worldwide, driven by the rising need for faster and more reliable data storage solutions that bridge the performance gap between DRAM and NAND flash memory. Storage class memory represents a breakthrough in memory technology, offering non-volatile characteristics like traditional flash memory while delivering access speeds comparable to dynamic RAM.



North America is anticipated to dominate, with a market valuation of approximately 11.67 USD Billion by 2035.”

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This emerging technology is particularly valuable in data-intensive applications such as big data analytics, artificial intelligence (AI), machine learning, and real-time computing. The market is expected to witness robust growth in the coming years as enterprises across industries adopt SCM solutions to accelerate processing capabilities, reduce latency, and improve overall system performance. The increasing proliferation of cloud computing, edge devices, and IoT networks has further augmented the demand for high-speed, low-power memory solutions, thereby

fueling the growth of the SCM market.

## Key Companies in the Storage Class Memory Market Include

- Seagate Technology
- Toshiba Memory Corporation
- Western Digital
- Samsung Electronics
- SanDisk
- IBM Corporation
- Broadcom Inc.
- Marvell Technology Group
- Fusionio
- NVIDIA Corporation
- STMicroelectronics
- Micron Technology
- SK Hynix
- Kioxia Holdings Corporation
- Intel Corporation

Leading companies in the storage class memory market play a pivotal role in technological innovation, strategic collaborations, and market expansion. Key players include Intel Corporation, which has made significant strides with its Optane technology, a product line that utilizes 3D XPoint architecture for high-performance memory modules. Micron Technology, another leading player, offers next-generation memory solutions designed to support artificial intelligence and machine learning workloads. Samsung Electronics Co., Ltd. has also made notable progress in developing SCM products that blend speed and endurance. Other prominent vendors in the market include Hewlett Packard Enterprise (HPE), Western Digital Corporation, Toshiba Corporation, SK Hynix Inc., and IBM Corporation. These companies are heavily investing in research and development, expanding production capacities, and forming alliances to leverage technological synergies and capture larger market shares.

The storage class memory market size is segmented based on type, memory technology, application, and region. By type, the market is categorized into volatile and non-volatile memory, with non-volatile memory dominating due to its ability to retain data even in the absence of power. In terms of memory technology, the key segments include 3D XPoint, MRAM (Magnetoresistive RAM), NRAM (Nano RAM), ReRAM (Resistive RAM), and others. Among these, 3D XPoint holds a significant market share, attributed to its higher speed and durability. On the basis of application, SCM is used across enterprise storage, consumer electronics, automotive, industrial, and aerospace & defense sectors. Enterprise storage remains the largest application area, driven by the surge in data centers and demand for real-time analytics. Additionally, automotive and industrial sectors are rapidly integrating SCM solutions to power advanced driver-assistance systems (ADAS) and industrial automation, respectively. Regionally, the market

is divided into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

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Several dynamic factors are influencing the growth trajectory of the storage class memory market. One of the primary growth drivers is the exponential increase in data volumes and the need for faster data processing in real-time environments. The integration of AI, machine learning, and advanced analytics in various sectors is compelling organizations to adopt high-speed storage solutions like SCM. Moreover, the growing adoption of hybrid memory systems in enterprise environments is fostering the deployment of SCM technologies. On the flip side, challenges such as high manufacturing costs, limited standardization, and complex integration into existing architectures may hinder market growth. However, continuous advancements in material science and fabrication techniques are expected to bring down costs and enhance compatibility. Additionally, the rising focus on energy-efficient memory solutions presents new growth opportunities, as SCM consumes less power compared to traditional memory systems.

Recent developments in the SCM market have further cemented its position as a transformative memory technology. In recent years, Intel and Micron jointly developed the 3D XPoint technology, although they later parted ways to pursue independent strategies. Intel continued to develop its Optane brand, while Micron introduced its QuantX memory. Samsung has made significant progress in MRAM technology, aiming to create low-latency and durable memory modules for enterprise storage. Startups and niche players are also entering the scene with innovative approaches to storage architecture. Additionally, collaborations between semiconductor companies and cloud service providers are shaping the next phase of data infrastructure. For instance, partnerships aimed at enhancing cloud-based applications through SCM integration are becoming more frequent. These developments highlight the growing recognition of SCM as a crucial enabler of next-generation computing environments.

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From a regional standpoint, North America holds the largest market share in the global [storage class memory market outlook](#), led by the presence of major technology companies, early adoption of advanced memory solutions, and strong investment in data center infrastructure. The United States, in particular, is a dominant force, thanks to ongoing developments in artificial intelligence, cloud computing, and 5G technologies. Europe follows closely, driven by increasing demand for high-performance computing in sectors such as automotive, aerospace, and defense. Countries like Germany, the UK, and France are key contributors to the region's growth. The Asia-Pacific region is expected to witness the highest growth rate during the forecast period, owing to the expansion of data centers, increasing smartphone penetration, and the rapid digital transformation across countries like China, India, Japan, and South Korea. The region's thriving electronics manufacturing ecosystem and government support for advanced technology

adoption are further boosting the SCM market. Latin America and the Middle East & Africa are also gradually adopting SCM solutions, primarily in sectors like telecommunications, banking, and industrial automation, although growth in these regions remains relatively nascent compared to others.

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Contact:

Market Research Future  
(Part of Wantstats Research and Media Private Limited)  
99 Hudson Street, 5Th Floor  
New York, NY 10013  
United States of America  
+1 628 258 0071 (US)  
+44 2035 002 764 (UK)  
Email: [sales@marketresearchfuture.com](mailto:sales@marketresearchfuture.com)  
Website: <https://www.marketresearchfuture.com>  
Website: <https://www.wiseguyreports.com/>  
Website: <https://www.wantstats.com/>

Sagar Kadam  
Market Research Future  
+1 628-258-0071  
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[X](#)  
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