

# 3D NAND Flash Memory Market Size to Grow at 35.3% CAGR - Latest Technology Advancements

*High durability of such storage in enterprises and automotive industries are expected to drive the growth of the global 3D NAND flash memory market.*

PUNE, MAHARASHTRA, INDIA,  
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-- High demand for data storage across

consumer electronics & enterprise storage sectors coupled with increase in need for small-form factor in memory devices drives the growth of the market. Moreover, aggrandized requirement for lightweight memory

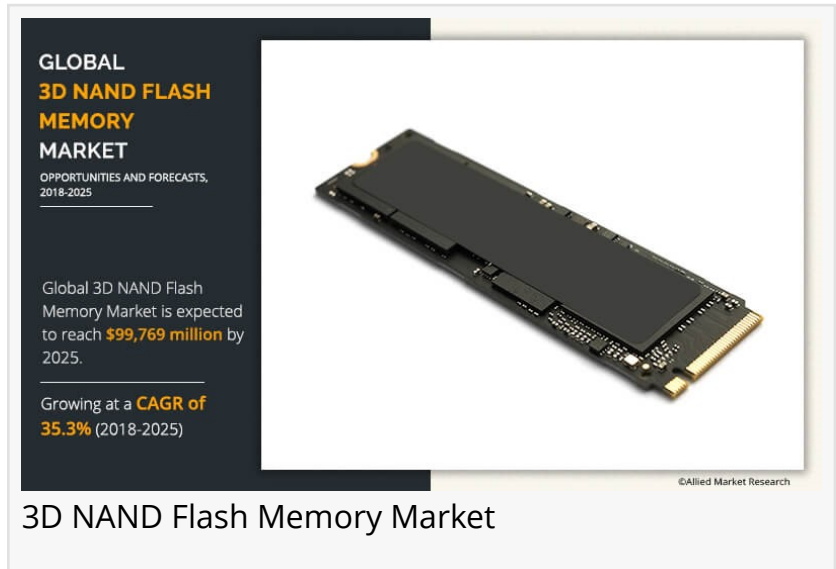
design and robustness of enterprise storage systems, especially in automotive industries supplements the growth of the market. However, increased precision required during manufacturing and high manufacturing cost would hinder the market growth. On the other hand, increase in adoption of smart technologies in the Asia-Pacific region is anticipated to provide lucrative opportunities for the market growth.

The report provides in-depth analyses of the key winning strategies, drivers & opportunities, market share & estimations, top investment pockets, and competitive landscape. According to the report, the global 3D NAND flash memory market garnered \$9.06 billion in 2017 and is expected to reach \$99.77 billion by 2025, registering a CAGR of 35.3% from 2018 to 2025.

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Triple-level cell segment to be lucrative through 2025

Among types, the triple-level cell segment accounted for more than half of the total market share in 2017 and would continue its dominance through 2025, registering the fastest CAGR of 37.1% from 2018 to 2025. This is because triple-level cell flash offers a lower price per gigabyte as compared to SLC and MLC flash. The other types analyzed in the report include single-level



cell and multi-level cell 3D NAND flash memory.

Smartphone & tablet segment to retain lion's share through the forecast period

The smartphone & tablet segment contributed 46.9% of the total market share in 2017 and would remain dominant throughout the forecast period, registering the fastest CAGR of 37.0% through 2025. This is due to advancements in mobile technology and increase in penetration of smartphones. The report also analyzes camera, and laptop & PC, and other applications.

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Consumer electronics segment to grab largest share, healthcare segment to grow fastest through 2025

The consumer electronics segment captured nearly half of the overall market share in 2017 and is expected to maintain its lead throughout the study period. It is the main end user of the 3D NAND flash memory market, because of its increased applications in smartphones, tablets, laptops, and cameras. However, the healthcare sector is expected to grow at the fastest CAGR of 38.2% during the forecast period. This is because 3D NAND flash memory caters to demand for storage of massive amount of data generated during healthcare monitoring.

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Asia-Pacific to remain dominant, LAMEA to grow the fastest through 2025

Asia-Pacific contributed 44% share of the total market revenue in 2017 and would continue its dominance during the forecast period. This is attributed to the increased demand for lightweight memory design and enhanced durability. However, LAMEA would grow at the fastest CAGR of 37.3% from 2018 to 2025, due to the high adoption of devices integrated with 3D NAND flash memory chip across economies such as Brazil, Chile, Venezuela, Peru, and others. In addition, Israel and Turkey are the major consumers of 3D NAND flash memory in the Middle East.

Leading industry players

The key market players analyzed in the report include Samsung Electronics Co., Ltd., Toshiba Corporation, SK Hynix Semiconductor, Inc., Micron Technology, Inc., Intel Corporation, Apple Inc., Lenovo Group Ltd., Advanced Micro Devices, STMicroelectronics, and SanDisk Corporation. These companies have implemented various strategies including expansions, mergers & acquisitions, partnerships, joint ventures, collaborations, and others to gain a stronghold in the industry.

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