

Global NVMe SSD Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global NVMe SSD market size was valued at US\$ 35522 million in 2025 and is forecast to a readjusted size of US\$ 90028 million by 2032 with a CAGR of 14.2% during review period.

NVMe SSD (Non-Volatile Memory Express Solid State Drive) is a type of solid-state storage device that connects via the PCIe (Peripheral Component Interconnect Express) interface and uses the NVMe protocol. It is specifically optimized for non-volatile memory such as NAND flash, delivering significantly lower latency, higher parallelism, and faster data transfer speeds compared to traditional SATA/AHCI-based SSDs. NVMe SSDs are widely used in high-performance computing, data centers, and premium consumer devices. In 2025, global NVMe SSD production reached approximately 556.82 M units, with an average global market price of around US\$ 62 per unit. Annual production capacity is 612 M units. Gross Profit Margin: 38.6%. The NVMe SSD industry chain is highly vertically integrated and technology-driven. Upstream consists of NAND flash memory manufacturers, controller IC designers, DRAM suppliers, and wafer fabrication equipment providers. Midstream is dominated by SSD module designers and assemblers, who integrate NAND, controllers, firmware, and thermal solutions into final products. Downstream demand comes primarily from data centers, AI servers, enterprise storage systems, and high-performance consumer electronics such as gaming PCs and workstations. The industry is tightly controlled by a few key NAND suppliers, which strongly influences pricing and supply cycles. NVMe SSDs are transitioning from a consumer-driven upgrade component to a core infrastructure component for AI and cloud computing. Future growth will be increasingly shaped by enterprise demand rather than PC replacement cycles. The key competitive advantage is shifting from simple read/write speed to system-level optimization, including power efficiency, endurance, and AI workload handling. Companies that can

secure NAND supply and develop advanced controller + firmware integration will capture disproportionate value in the next cycle.

This report is a detailed and comprehensive analysis for global NVMe SSD market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by PCIe Gen and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global NVMe SSD market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global NVMe SSD market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global NVMe SSD market size and forecasts, by PCIe Gen and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global NVMe SSD market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for NVMe SSD
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global NVMe SSD market based on the following

parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung Electronics, SK Hynix, Solidigm, Kioxia Holdings, Western Digital, Micron Technology, Seagate Technology, Kingston Technology, ADATA Technology, Transcend Information, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

NVMe SSD market is split by PCIe Gen and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by PCIe Gen, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by PCIe Gen

PCIe 3.0 NVMe SSD

PCIe 4.0 NVMe SSD

PCIe 5.0 NVMe SSD

Market segment by Form Factor

M.2 NVMe SSD

U.2 NVMe SSD

Add-in Card (AIC) NVMe SSD

EDSFF NVMe SSD

Market segment by Capacity

? 512GB NVMe SSD

1TB NVMe SSD

2TB NVMe SSD

? 4TB NVMe SSD

Market segment by Application

Consumer

Enterprise

Industrial

Others

Major players covered

Samsung Electronics

SK Hynix

Solidigm

Kioxia Holdings

Western Digital

Micron Technology

Seagate Technology

Kingston Technology

ADATA Technology

Transcend Information

Silicon Power

TeamGroup

ATP Electronics

PNY Technologies

Innodisk

Memblaze

DapuStor

Biwin Storage Technology

Yangtze Memory Technologies

Longsys Electronics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe NVMe SSD product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of NVMe SSD, with price, sales quantity, revenue, and global market share of NVMe SSD from 2021 to 2026.

Chapter 3, the NVMe SSD competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the NVMe SSD breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by PCIe Gen and by Application, with sales market share and growth rate by PCIe Gen, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and NVMe SSD market forecast, by regions, by PCIe Gen, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of NVMe SSD.

Chapter 14 and 15, to describe NVMe SSD sales channel, distributors, customers, research findings and conclusion.

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