

# Global PC SSD Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G8AA291F3860EN.html>

Date: May 2026

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: G8AA291F3860EN

## Abstracts

The global PC SSD market size is expected to reach \$ 27155 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

In 2025, global PC SSD production reached approximately 219 million units, with an average global market price of around US\$90 per unit.

A PC Solid State Drive (PC SSD) is a non-volatile storage device that uses NAND flash memory as its storage medium and a controller chip for data management, primarily used in personal computers (desktops and laptops) as a replacement for traditional hard disk drives (HDDs). It connects to the host via interfaces such as PCIe or SATA and offers high-speed data transfer, low latency, shock resistance, and low power consumption, significantly improving system boot time and application performance. With the advancement of 3D NAND technology and NVMe protocols, PC SSDs are transitioning from SATA-based solutions to high-performance PCIe/NVMe architectures, becoming a core storage component in modern computing systems.

The PC SSD industry chain consists of upstream suppliers of NAND flash, controllers, and DRAM, midstream SSD module manufacturers and brands, and downstream PC OEMs and end users. Upstream includes key materials such as NAND flash memory, controller ICs, DRAM cache, and packaging/testing services, with major players including Samsung Electronics, Kioxia, Micron Technology, SK hynix, as well as controller suppliers like Phison Electronics and Silicon Motion. The midstream consists of SSD brands such as Western Digital, Kingston Technology, and ADATA. Downstream includes PC OEMs like Lenovo, HP, and Dell, as well as enterprise and consumer users. The industry is characterized by upstream memory pricing cycles influencing costs, midstream branding and distribution shaping competition, and

downstream PC demand driving growth.

The PC SSD market has entered a mature stage but continues to show structural growth. As performance requirements for PCs increase and operating systems and applications rely more heavily on high-speed storage, SSDs have largely replaced traditional HDDs as the mainstream solution. Continuous advancements in PCIe and NVMe technologies are driving performance upgrades, while applications such as gaming, high-performance computing, and content creation are further stimulating demand. However, the market faces significant cyclicity due to fluctuations in NAND flash supply and pricing. In addition, intense competition, product commoditization, and declining price per gigabyte put pressure on profitability. Overall, the market is characterized by technology-driven upgrades, steady demand growth, and pronounced pricing cycles.

This report studies the global PC SSD production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PC SSD and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of PC SSD that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global PC SSD total production and demand, 2021-2032, (K Units)

Global PC SSD total production value, 2021-2032, (USD Million)

Global PC SSD production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global PC SSD consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: PC SSD domestic production, consumption, key domestic manufacturers and share

Global PC SSD production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global PC SSD production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global PC SSD production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

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

parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung, Western Digital, Kioxia (formerly Toshiba Memory), Crucial Technology (Micron), Kingston Technology, Seagate, ADATA, SanDisk, Corsair, YMTC, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PC SSD market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global PC SSD Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global PC SSD Market, Segmentation by Type:

M.2 SSDs

PCIe SSDs

Others

### Global PC SSD Market, Segmentation by Sequential Read Speed:

3500 MB/s

7000 MB/s

10000 MB/s

Others

### Global PC SSD Market, Segmentation by Capacity:

512GB

1TB

2TB

4TB

Others

### Global PC SSD Market, Segmentation by Application:

Online Sales

Offline Sales

**Companies Profiled:**

Samsung

Western Digital

Kioxia (formerly Toshiba Memory)

Crucial Technology (Micron)

Kingston Technology

Seagate

ADATA

SanDisk

Corsair

YMTC

**Key Questions Answered:**

1. How big is the global PC SSD market?
2. What is the demand of the global PC SSD market?
3. What is the year over year growth of the global PC SSD market?
4. What is the production and production value of the global PC SSD market?
5. Who are the key producers in the global PC SSD market?
6. What are the growth factors driving the market demand?

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