

Global NVMe Controller Market Growth 2026-2032

<https://marketpublishers.com/r/G5BBF05F1475EN.html>

Date: July 2026

Pages: 89

Price: US\$ 3,660.00 (Single User License)

ID: G5BBF05F1475EN

Abstracts

The global NVMe Controller market size is predicted to grow from US\$ 3277 million in 2025 to US\$ 7667 million in 2032; it is expected to grow at a CAGR of 12.2% from 2026 to 2032.

NVMe SSD Controller ICs are core semiconductor devices used in PCIe-based solid-state drives, positioned between the host system and NAND Flash memory. They translate NVMe protocol commands from the host into NAND-level read, write, erase, mapping and management operations. Their key functions include PCIe/NVMe protocol processing, NAND channel management, flash translation layer execution, LDPC/ECC error correction, bad block management, wear leveling, garbage collection, write amplification control, power-loss protection coordination, power management, thermal management, security encryption, firmware scheduling and quality-of-service control. NVMe SSD controller ICs are used in client M.2 SSDs, enterprise U.2/U.3 SSDs, EDSFF data center SSDs, industrial SSDs, automotive storage, embedded BGA SSDs, external NVMe SSDs and high-performance workstation storage. Their technical value is reflected not only in the transition from PCIe Gen3 and Gen4 to PCIe Gen5 and Gen6, but also in NAND compatibility, TLC/QLC optimization, low-power design, data reliability, firmware maturity, customer qualification capability and system-level storage performance optimization.

Based on our research, NVMe SSD controller ICs are among the most technically intensive and qualification-sensitive components in the solid-state storage value chain. They should not be viewed as simple PCIe interface bridges. A modern NVMe SSD controller is a specialized storage SoC that integrates protocol processing, NAND management, error correction, firmware scheduling, security, power management and system-level performance optimization. As NAND Flash continues to evolve from TLC toward QLC and higher-density architectures, the controller must compensate for more challenging NAND characteristics through stronger LDPC/ECC engines, better write

amplification control, wear leveling, garbage collection, thermal management and data protection mechanisms. In enterprise SSDs, the controller directly affects not only sequential throughput and random IOPS, but also latency consistency, quality of service, endurance, data integrity and customer qualification outcomes. As a result, competition in this market is not determined solely by PCIe generation or headline bandwidth, but by the combined strength of hardware architecture, firmware maturity, NAND tuning, validation experience and long-term mass-production stability. From a supply-side perspective, the global NVMe SSD controller IC market is divided into two structurally different groups: merchant controller suppliers and NAND-integrated captive controller suppliers. Phison, Silicon Motion, Marvell, Maxio, InnoGrit, YEESTOR and Starblaze represent the merchant or semi-merchant ecosystem, serving SSD module makers, storage brands, industrial customers and selected enterprise programs. Samsung, Micron, Western Digital, Kioxia and SK hynix rely mainly on internally developed controllers to support their own SSD product lines, combining NAND, firmware, controller architecture and full-drive validation within vertically integrated platforms. These two models are not simple substitutes. Merchant controller suppliers are stronger in speed-to-market, multi-customer coverage and mid-to-long-tail SSD ecosystems, while NAND-integrated suppliers have advantages in high-end enterprise SSDs, data center products and large-capacity drives where NAND-controller-firmware co-optimization is critical. For market sizing, it is essential to separate the merchant controller market from the total NVMe SSD controller IC market, otherwise the internal value of captive controllers will be understated or the addressable opportunity for independent controller vendors will be overstated. From the demand side, client SSDs remain the largest volume base for NVMe SSD controller shipments, but enterprise and data center SSDs are becoming the main sources of revenue growth and technology upgrading. AI servers, cloud infrastructure, databases, object storage, content delivery, training data pipelines and inference-side storage require higher throughput, lower latency, stronger endurance, better power efficiency and more predictable quality of service. These requirements are pushing demand for PCIe Gen5 controllers, high-channel-count architectures, advanced LDPC engines, enterprise firmware stacks and robust power-loss protection support. At the same time, AI PCs, gaming notebooks, handheld gaming devices, creator PCs and external high-speed storage are accelerating the migration from PCIe Gen4 to Gen5 in the client market. However, client SSD controllers face stronger price competition, and DRAM-less designs with Host Memory Buffer support will continue to pressure mid-range and entry-level ASPs. Industrial, embedded and automotive SSD controllers are smaller in scale but offer attractive structural opportunities because of longer qualification cycles, longer product lifetimes and higher reliability requirements. From a product roadmap perspective, PCIe Gen4 remains the mainstream shipment base, PCIe Gen5 is accelerating in high-end

client and enterprise SSDs, and PCIe Gen6 remains at an early roadmap and validation stage. In the near term, controller vendors will compete most directly on Gen5 power efficiency, thermal behavior, QLC NAND optimization, high-performance DRAM-less architecture, firmware robustness and customer qualification speed. Over the medium to long term, the controller's importance will increase as NAND layer counts rise and QLC penetration expands. As NAND's physical margins become more challenging, more performance, endurance and reliability optimization will shift to the controller and firmware layer. Vendors that can combine high-performance hardware design, complex firmware engineering, NAND characterization, data protection algorithms and deep customer validation resources will gain stronger positioning in high-end client, enterprise and data center NVMe SSD controller markets. From a regional perspective, Taiwan remains a major center of gravity for merchant SSD controller supply, with Phison and Silicon Motion maintaining strong customer ecosystems and product iteration experience. U.S.-based suppliers are more visible in enterprise controllers, cloud infrastructure customers and advanced storage SoCs. Korean, Japanese and U.S. NAND manufacturers reinforce their SSD competitiveness through captive controller development and vertical integration. Mainland Chinese controller vendors are increasing their presence in client, industrial, embedded and localized data center projects, supported by domestic SSD module makers, industrial customers, server ecosystems, policy-driven procurement and customized firmware requirements. The opportunity for Chinese vendors is not limited to low-cost substitution; it also lies in faster local support, system-level customization and alignment with domestic storage supply chains. However, high-end enterprise NVMe controller development remains highly demanding, especially in long-term reliability, firmware defect control, cloud customer qualification, multi-source NAND adaptation and mass-production consistency.

LP Information, Inc. (LPI) ' newest research report, the "NVMe Controller Industry Forecast" looks at past sales and reviews total world NVMe Controller sales in 2025, providing a comprehensive analysis by region and market sector of projected NVMe Controller sales for 2026 through 2032. With NVMe Controller sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world NVMe Controller industry.

This Insight Report provides a comprehensive analysis of the global NVMe Controller landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on NVMe Controller portfolios and capabilities, market entry strategies, market positions, and

geographic footprints, to better understand these firms' unique position in an accelerating global NVMe Controller market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for NVMe Controller and breaks down the forecast by PCIe Generation, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global NVMe Controller.

This report presents a comprehensive overview, market shares, and growth opportunities of NVMe Controller market by product type, application, key manufacturers and key regions and countries.

Segmentation by PCIe Generation:

PCIe Gen3 NVMe Controller

PCIe Gen4 NVMe Controller

PCIe Gen5 NVMe Controller

PCIe Gen6 NVMe Controller

Segmentation by NAND Channel Count:

4-channel Controller

8-channel Controller

12-channel Controller

16-channel Controller

Segmentation by DRAM Architecture:

DRAM-based Controller

DRAM-less Controller

Segmentation by Application:

PC

Data Center

Automotive

Surveillance

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Phison Electronics Corp.

Silicon Motion Technology Corporation

Marvell Technology, Inc.

Maxio Technology

InnoGrit Corporation

Realtek Semiconductor Corp.

YEESTOR Microelectronics Co., Ltd.

Starblaze Technology Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global NVMe Controller market?

What factors are driving NVMe Controller market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do NVMe Controller market opportunities vary by end market size?

How does NVMe Controller break out by PCIe Generation, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global NVMe Controller Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for NVMe Controller by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for NVMe Controller by Country/Region, 2021, 2025 & 2032
- 2.2 NVMe Controller Segment by PCIe Generation
 - 2.2.1 PCIe Gen3 NVMe Controller
 - 2.2.2 PCIe Gen4 NVMe Controller
 - 2.2.3 PCIe Gen5 NVMe Controller
 - 2.2.4 PCIe Gen6 NVMe Controller
 - 2.2.5 NVMe Controller Sales by PCIe Generation
 - 2.2.5.1 Global NVMe Controller Sales Market Share by PCIe Generation (2021-2026)
 - 2.2.5.2 Global NVMe Controller Revenue and Market Share by PCIe Generation (2021-2026)
 - 2.2.5.3 Global NVMe Controller Sale Price by PCIe Generation (2021-2026)
- 2.3 NVMe Controller Segment by NAND Channel Count
 - 2.3.1 4-channel Controller
 - 2.3.2 8-channel Controller
 - 2.3.3 12-channel Controller
 - 2.3.4 16-channel Controller
 - 2.3.5 NVMe Controller Sales by NAND Channel Count
 - 2.3.5.1 Global NVMe Controller Sales Market Share by NAND Channel Count (2021-2026)

2.3.5.2 Global NVMe Controller Revenue and Market Share by NAND Channel Count (2021-2026)

2.3.5.3 Global NVMe Controller Sale Price by NAND Channel Count (2021-2026)

2.4 NVMe Controller Segment by DRAM Architecture

2.4.1 DRAM-based Controller

2.4.2 DRAM-less Controller

2.4.3 NVMe Controller Sales by DRAM Architecture

2.4.3.1 Global NVMe Controller Sales Market Share by DRAM Architecture (2021-2026)

2.4.3.2 Global NVMe Controller Revenue and Market Share by DRAM Architecture (2021-2026)

2.4.3.3 Global NVMe Controller Sale Price by DRAM Architecture (2021-2026)

2.5 NVMe Controller Segment by Application

2.5.1 PC

2.5.2 Data Center

2.5.3 Automotive

2.5.4 Surveillance

2.5.5 NVMe Controller Sales by Application

2.5.5.1 Global NVMe Controller Sale Market Share by Application (2021-2026)

2.5.5.2 Global NVMe Controller Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global NVMe Controller Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global NVMe Controller Breakdown Data by Company

3.1.1 Global NVMe Controller Annual Sales by Company (2021-2026)

3.1.2 Global NVMe Controller Sales Market Share by Company (2021-2026)

3.2 Global NVMe Controller Annual Revenue by Company (2021-2026)

3.2.1 Global NVMe Controller Revenue by Company (2021-2026)

3.2.2 Global NVMe Controller Revenue Market Share by Company (2021-2026)

3.3 Global NVMe Controller Sale Price by Company

3.4 Key Manufacturers NVMe Controller Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers NVMe Controller Product Location Distribution

3.4.2 Players NVMe Controller Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR NVME CONTROLLER BY GEOGRAPHIC REGION

4.1 World Historic NVMe Controller Market Size by Geographic Region (2021-2026)

4.1.1 Global NVMe Controller Annual Sales by Geographic Region (2021-2026)

4.1.2 Global NVMe Controller Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic NVMe Controller Market Size by Country/Region (2021-2026)

4.2.1 Global NVMe Controller Annual Sales by Country/Region (2021-2026)

4.2.2 Global NVMe Controller Annual Revenue by Country/Region (2021-2026)

4.3 Americas NVMe Controller Sales Growth

4.4 APAC NVMe Controller Sales Growth

4.5 Europe NVMe Controller Sales Growth

4.6 Middle East & Africa NVMe Controller Sales Growth

5 AMERICAS

5.1 Americas NVMe Controller Sales by Country

5.1.1 Americas NVMe Controller Sales by Country (2021-2026)

5.1.2 Americas NVMe Controller Revenue by Country (2021-2026)

5.2 Americas NVMe Controller Sales by PCIe Generation (2021-2026)

5.3 Americas NVMe Controller Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC NVMe Controller Sales by Region

6.1.1 APAC NVMe Controller Sales by Region (2021-2026)

6.1.2 APAC NVMe Controller Revenue by Region (2021-2026)

6.2 APAC NVMe Controller Sales by PCIe Generation (2021-2026)

6.3 APAC NVMe Controller Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe NVMe Controller by Country

7.1.1 Europe NVMe Controller Sales by Country (2021-2026)

7.1.2 Europe NVMe Controller Revenue by Country (2021-2026)

7.2 Europe NVMe Controller Sales by PCIe Generation (2021-2026)

7.3 Europe NVMe Controller Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa NVMe Controller by Country

8.1.1 Middle East & Africa NVMe Controller Sales by Country (2021-2026)

8.1.2 Middle East & Africa NVMe Controller Revenue by Country (2021-2026)

8.2 Middle East & Africa NVMe Controller Sales by PCIe Generation (2021-2026)

8.3 Middle East & Africa NVMe Controller Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of NVMe Controller
- 10.3 Manufacturing Process Analysis of NVMe Controller
- 10.4 Industry Chain Structure of NVMe Controller

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 NVMe Controller Distributors
- 11.3 NVMe Controller Customer

12 WORLD FORECAST REVIEW FOR NVME CONTROLLER BY GEOGRAPHIC REGION

- 12.1 Global NVMe Controller Market Size Forecast by Region
 - 12.1.1 Global NVMe Controller Forecast by Region (2027-2032)
 - 12.1.2 Global NVMe Controller Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global NVMe Controller Forecast by PCIe Generation (2027-2032)
- 12.7 Global NVMe Controller Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Phison Electronics Corp.
 - 13.1.1 Phison Electronics Corp. Company Information
 - 13.1.2 Phison Electronics Corp. NVMe Controller Product Portfolios and Specifications
 - 13.1.3 Phison Electronics Corp. NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Phison Electronics Corp. Main Business Overview
 - 13.1.5 Phison Electronics Corp. Latest Developments
- 13.2 Silicon Motion Technology Corporation
 - 13.2.1 Silicon Motion Technology Corporation Company Information
 - 13.2.2 Silicon Motion Technology Corporation NVMe Controller Product Portfolios and Specifications

13.2.3 Silicon Motion Technology Corporation NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Silicon Motion Technology Corporation Main Business Overview

13.2.5 Silicon Motion Technology Corporation Latest Developments

13.3 Marvell Technology, Inc.

13.3.1 Marvell Technology, Inc. Company Information

13.3.2 Marvell Technology, Inc. NVMe Controller Product Portfolios and Specifications

13.3.3 Marvell Technology, Inc. NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Marvell Technology, Inc. Main Business Overview

13.3.5 Marvell Technology, Inc. Latest Developments

13.4 Maxio Technology

13.4.1 Maxio Technology Company Information

13.4.2 Maxio Technology NVMe Controller Product Portfolios and Specifications

13.4.3 Maxio Technology NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Maxio Technology Main Business Overview

13.4.5 Maxio Technology Latest Developments

13.5 InnoGrit Corporation

13.5.1 InnoGrit Corporation Company Information

13.5.2 InnoGrit Corporation NVMe Controller Product Portfolios and Specifications

13.5.3 InnoGrit Corporation NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 InnoGrit Corporation Main Business Overview

13.5.5 InnoGrit Corporation Latest Developments

13.6 Realtek Semiconductor Corp.

13.6.1 Realtek Semiconductor Corp. Company Information

13.6.2 Realtek Semiconductor Corp. NVMe Controller Product Portfolios and Specifications

13.6.3 Realtek Semiconductor Corp. NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Realtek Semiconductor Corp. Main Business Overview

13.6.5 Realtek Semiconductor Corp. Latest Developments

13.7 YEESTOR Microelectronics Co., Ltd.

13.7.1 YEESTOR Microelectronics Co., Ltd. Company Information

13.7.2 YEESTOR Microelectronics Co., Ltd. NVMe Controller Product Portfolios and Specifications

13.7.3 YEESTOR Microelectronics Co., Ltd. NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 YEESTOR Microelectronics Co., Ltd. Main Business Overview

13.7.5 YEESTOR Microelectronics Co., Ltd. Latest Developments

13.8 Starblaze Technology Co., Ltd.

13.8.1 Starblaze Technology Co., Ltd. Company Information

13.8.2 Starblaze Technology Co., Ltd. NVMe Controller Product Portfolios and Specifications

13.8.3 Starblaze Technology Co., Ltd. NVMe Controller Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Starblaze Technology Co., Ltd. Main Business Overview

13.8.5 Starblaze Technology Co., Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. NVMe Controller Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. NVMe Controller Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of PCIe Gen3 NVMe Controller

Table 4. Major Players of PCIe Gen4 NVMe Controller

Table 5. Major Players of PCIe Gen5 NVMe Controller

Table 6. Major Players of PCIe Gen6 NVMe Controller

Table 7. Global NVMe Controller Sales by PCIe Generation (2021-2026) & (Units)

Table 8. Global NVMe Controller Sales Market Share by PCIe Generation (2021-2026)

Table 9. Global NVMe Controller Revenue by PCIe Generation (2021-2026) & (\$ million)

Table 10. Global NVMe Controller Revenue Market Share by PCIe Generation (2021-2026)

Table 11. Global NVMe Controller Sale Price by PCIe Generation (2021-2026) & (US\$/Unit)

Table 12. Major Players of 4-channel Controller

Table 13. Major Players of 8-channel Controller

Table 14. Major Players of 12-channel Controller

Table 15. Major Players of 16-channel Controller

Table 16. Global NVMe Controller Sales by NAND Channel Count (2021-2026) & (Units)

Table 17. Global NVMe Controller Sales Market Share by NAND Channel Count (2021-2026)

Table 18. Global NVMe Controller Revenue by NAND Channel Count (2021-2026) & (\$ million)

Table 19. Global NVMe Controller Revenue Market Share by NAND Channel Count (2021-2026)

Table 20. Global NVMe Controller Sale Price by NAND Channel Count (2021-2026) & (US\$/Unit)

Table 21. Major Players of DRAM-based Controller

Table 22. Major Players of DRAM-less Controller

Table 23. Global NVMe Controller Sales by DRAM Architecture (2021-2026) & (Units)

Table 24. Global NVMe Controller Sales Market Share by DRAM Architecture (2021-2026)

Table 25. Global NVMe Controller Revenue by DRAM Architecture (2021-2026) & (\$ million)

Table 26. Global NVMe Controller Revenue Market Share by DRAM Architecture (2021-2026)

Table 27. Global NVMe Controller Sale Price by DRAM Architecture (2021-2026) & (US\$/Unit)

Table 28. Global NVMe Controller Sale by Application (2021-2026) & (Units)

Table 29. Global NVMe Controller Sale Market Share by Application (2021-2026)

Table 30. Global NVMe Controller Revenue by Application (2021-2026) & (\$ million)

Table 31. Global NVMe Controller Revenue Market Share by Application (2021-2026)

Table 32. Global NVMe Controller Sale Price by Application (2021-2026) & (US\$/Unit)

Table 33. Global NVMe Controller Sales by Company (2021-2026) & (Units)

Table 34. Global NVMe Controller Sales Market Share by Company (2021-2026)

Table 35. Global NVMe Controller Revenue by Company (2021-2026) & (\$ millions)

Table 36. Global NVMe Controller Revenue Market Share by Company (2021-2026)

Table 37. Global NVMe Controller Sale Price by Company (2021-2026) & (US\$/Unit)

Table 38. Key Manufacturers NVMe Controller Producing Area Distribution and Sales Area

Table 39. Players NVMe Controller Products Offered

Table 40. NVMe Controller Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 41. New Products and Potential Entrants

Table 42. Market M&A Activity & Strategy

Table 43. Global NVMe Controller Sales by Geographic Region (2021-2026) & (Units)

Table 44. Global NVMe Controller Sales Market Share Geographic Region (2021-2026)

Table 45. Global NVMe Controller Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 46. Global NVMe Controller Revenue Market Share by Geographic Region (2021-2026)

Table 47. Global NVMe Controller Sales by Country/Region (2021-2026) & (Units)

Table 48. Global NVMe Controller Sales Market Share by Country/Region (2021-2026)

Table 49. Global NVMe Controller Revenue by Country/Region (2021-2026) & (\$ millions)

Table 50. Global NVMe Controller Revenue Market Share by Country/Region (2021-2026)

Table 51. Americas NVMe Controller Sales by Country (2021-2026) & (Units)

Table 52. Americas NVMe Controller Sales Market Share by Country (2021-2026)

Table 53. Americas NVMe Controller Revenue by Country (2021-2026) & (\$ millions)

Table 54. Americas NVMe Controller Sales by PCIe Generation (2021-2026) & (Units)

Table 55. Americas NVMe Controller Sales by Application (2021-2026) & (Units)

Table 56. APAC NVMe Controller Sales by Region (2021-2026) & (Units)
Table 57. APAC NVMe Controller Sales Market Share by Region (2021-2026)
Table 58. APAC NVMe Controller Revenue by Region (2021-2026) & (\$ millions)
Table 59. APAC NVMe Controller Sales by PCIe Generation (2021-2026) & (Units)
Table 60. APAC NVMe Controller Sales by Application (2021-2026) & (Units)
Table 61. Europe NVMe Controller Sales by Country (2021-2026) & (Units)
Table 62. Europe NVMe Controller Revenue by Country (2021-2026) & (\$ millions)
Table 63. Europe NVMe Controller Sales by PCIe Generation (2021-2026) & (Units)
Table 64. Europe NVMe Controller Sales by Application (2021-2026) & (Units)
Table 65. Middle East & Africa NVMe Controller Sales by Country (2021-2026) & (Units)
Table 66. Middle East & Africa NVMe Controller Revenue Market Share by Country (2021-2026)
Table 67. Middle East & Africa NVMe Controller Sales by PCIe Generation (2021-2026) & (Units)
Table 68. Middle East & Africa NVMe Controller Sales by Application (2021-2026) & (Units)
Table 69. Key Market Drivers & Growth Opportunities of NVMe Controller
Table 70. Key Market Challenges & Risks of NVMe Controller
Table 71. Key Industry Trends of NVMe Controller
Table 72. NVMe Controller Raw Material
Table 73. Key Suppliers of Raw Materials
Table 74. NVMe Controller Distributors List
Table 75. NVMe Controller Customer List
Table 76. Global NVMe Controller Sales Forecast by Region (2027-2032) & (Units)
Table 77. Global NVMe Controller Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 78. Americas NVMe Controller Sales Forecast by Country (2027-2032) & (Units)
Table 79. Americas NVMe Controller Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 80. APAC NVMe Controller Sales Forecast by Region (2027-2032) & (Units)
Table 81. APAC NVMe Controller Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 82. Europe NVMe Controller Sales Forecast by Country (2027-2032) & (Units)
Table 83. Europe NVMe Controller Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 84. Middle East & Africa NVMe Controller Sales Forecast by Country (2027-2032) & (Units)
Table 85. Middle East & Africa NVMe Controller Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 86. Global NVMe Controller Sales Forecast by PCIe Generation (2027-2032) & (Units)

Table 87. Global NVMe Controller Revenue Forecast by PCIe Generation (2027-2032) & (\$ millions)

Table 88. Global NVMe Controller Sales Forecast by Application (2027-2032) & (Units)

Table 89. Global NVMe Controller Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 90. Phison Electronics Corp. Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 91. Phison Electronics Corp. NVMe Controller Product Portfolios and Specifications

Table 92. Phison Electronics Corp. NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 93. Phison Electronics Corp. Main Business

Table 94. Phison Electronics Corp. Latest Developments

Table 95. Silicon Motion Technology Corporation Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 96. Silicon Motion Technology Corporation NVMe Controller Product Portfolios and Specifications

Table 97. Silicon Motion Technology Corporation NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 98. Silicon Motion Technology Corporation Main Business

Table 99. Silicon Motion Technology Corporation Latest Developments

Table 100. Marvell Technology, Inc. Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 101. Marvell Technology, Inc. NVMe Controller Product Portfolios and Specifications

Table 102. Marvell Technology, Inc. NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 103. Marvell Technology, Inc. Main Business

Table 104. Marvell Technology, Inc. Latest Developments

Table 105. Maxio Technology Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 106. Maxio Technology NVMe Controller Product Portfolios and Specifications

Table 107. Maxio Technology NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 108. Maxio Technology Main Business

Table 109. Maxio Technology Latest Developments

Table 110. InnoGrit Corporation Basic Information, NVMe Controller Manufacturing

Base, Sales Area and Its Competitors

Table 111. InnoGrit Corporation NVMe Controller Product Portfolios and Specifications

Table 112. InnoGrit Corporation NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 113. InnoGrit Corporation Main Business

Table 114. InnoGrit Corporation Latest Developments

Table 115. Realtek Semiconductor Corp. Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 116. Realtek Semiconductor Corp. NVMe Controller Product Portfolios and Specifications

Table 117. Realtek Semiconductor Corp. NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 118. Realtek Semiconductor Corp. Main Business

Table 119. Realtek Semiconductor Corp. Latest Developments

Table 120. YEESTOR Microelectronics Co., Ltd. Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 121. YEESTOR Microelectronics Co., Ltd. NVMe Controller Product Portfolios and Specifications

Table 122. YEESTOR Microelectronics Co., Ltd. NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 123. YEESTOR Microelectronics Co., Ltd. Main Business

Table 124. YEESTOR Microelectronics Co., Ltd. Latest Developments

Table 125. Starblaze Technology Co., Ltd. Basic Information, NVMe Controller Manufacturing Base, Sales Area and Its Competitors

Table 126. Starblaze Technology Co., Ltd. NVMe Controller Product Portfolios and Specifications

Table 127. Starblaze Technology Co., Ltd. NVMe Controller Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 128. Starblaze Technology Co., Ltd. Main Business

Table 129. Starblaze Technology Co., Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of NVMe Controller
- Figure 2. NVMe Controller Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global NVMe Controller Sales Growth Rate 2021-2032 (Units)
- Figure 7. Global NVMe Controller Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. NVMe Controller Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. NVMe Controller Sales Market Share by Country/Region (2025)
- Figure 10. NVMe Controller Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of PCIe Gen3 NVMe Controller
- Figure 12. Product Picture of PCIe Gen4 NVMe Controller
- Figure 13. Product Picture of PCIe Gen5 NVMe Controller
- Figure 14. Product Picture of PCIe Gen6 NVMe Controller
- Figure 15. Global NVMe Controller Sales Market Share by PCIe Generation in 2026
- Figure 16. Global NVMe Controller Revenue Market Share by PCIe Generation (2021-2026)
- Figure 17. Product Picture of 4-channel Controller
- Figure 18. Product Picture of 8-channel Controller
- Figure 19. Product Picture of 12-channel Controller
- Figure 20. Product Picture of 16-channel Controller
- Figure 21. Global NVMe Controller Sales Market Share by NAND Channel Count in 2026
- Figure 22. Global NVMe Controller Revenue Market Share by NAND Channel Count (2021-2026)
- Figure 23. Product Picture of DRAM-based Controller
- Figure 24. Product Picture of DRAM-less Controller
- Figure 25. Global NVMe Controller Sales Market Share by DRAM Architecture in 2026
- Figure 26. Global NVMe Controller Revenue Market Share by DRAM Architecture (2021-2026)
- Figure 27. NVMe Controller Consumed in PC
- Figure 28. Global NVMe Controller Market: PC (2021-2026) & (Units)
- Figure 29. NVMe Controller Consumed in Data Center

Figure 30. Global NVMe Controller Market: Data Center (2021-2026) & (Units)

Figure 31. NVMe Controller Consumed in Automotive

Figure 32. Global NVMe Controller Market: Automotive (2021-2026) & (Units)

Figure 33. NVMe Controller Consumed in Surveillance

Figure 34. Global NVMe Controller Market: Surveillance (2021-2026) & (Units)

Figure 35. Global NVMe Controller Sale Market Share by Application (2025)

Figure 36. Global NVMe Controller Revenue Market Share by Application in 2025

Figure 37. NVMe Controller Sales by Company in 2025 (Units)

Figure 38. Global NVMe Controller Sales Market Share by Company in 2025

Figure 39. NVMe Controller Revenue by Company in 2025 (\$ millions)

Figure 40. Global NVMe Controller Revenue Market Share by Company in 2025

Figure 41. Global NVMe Controller Sales Market Share by Geographic Region (2021-2026)

Figure 42. Global NVMe Controller Revenue Market Share by Geographic Region in 2025

Figure 43. Americas NVMe Controller Sales 2021-2026 (Units)

Figure 44. Americas NVMe Controller Revenue 2021-2026 (\$ millions)

Figure 45. APAC NVMe Controller Sales 2021-2026 (Units)

Figure 46. APAC NVMe Controller Revenue 2021-2026 (\$ millions)

Figure 47. Europe NVMe Controller Sales 2021-2026 (Units)

Figure 48. Europe NVMe Controller Revenue 2021-2026 (\$ millions)

Figure 49. Middle East & Africa NVMe Controller Sales 2021-2026 (Units)

Figure 50. Middle East & Africa NVMe Controller Revenue 2021-2026 (\$ millions)

Figure 51. Americas NVMe Controller Sales Market Share by Country in 2025

Figure 52. Americas NVMe Controller Revenue Market Share by Country (2021-2026)

Figure 53. Americas NVMe Controller Sales Market Share by PCIe Generation (2021-2026)

Figure 54. Americas NVMe Controller Sales Market Share by Application (2021-2026)

Figure 55. United States NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 56. Canada NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 57. Mexico NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 58. Brazil NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 59. APAC NVMe Controller Sales Market Share by Region in 2025

Figure 60. APAC NVMe Controller Revenue Market Share by Region (2021-2026)

Figure 61. APAC NVMe Controller Sales Market Share by PCIe Generation (2021-2026)

Figure 62. APAC NVMe Controller Sales Market Share by Application (2021-2026)

Figure 63. China NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 64. Japan NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 65. South Korea NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 66. Southeast Asia NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 67. India NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 68. Australia NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 69. China Taiwan NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 70. Europe NVMe Controller Sales Market Share by Country in 2025

Figure 71. Europe NVMe Controller Revenue Market Share by Country (2021-2026)

Figure 72. Europe NVMe Controller Sales Market Share by PCIe Generation (2021-2026)

Figure 73. Europe NVMe Controller Sales Market Share by Application (2021-2026)

Figure 74. Germany NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 75. France NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 76. UK NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 77. Italy NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 78. Russia NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 79. Middle East & Africa NVMe Controller Sales Market Share by Country (2021-2026)

Figure 80. Middle East & Africa NVMe Controller Sales Market Share by PCIe Generation (2021-2026)

Figure 81. Middle East & Africa NVMe Controller Sales Market Share by Application (2021-2026)

Figure 82. Egypt NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 83. South Africa NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 84. Israel NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 85. Turkey NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 86. GCC Countries NVMe Controller Revenue Growth 2021-2026 (\$ millions)

Figure 87. Manufacturing Cost Structure Analysis of NVMe Controller in 2026

Figure 88. Manufacturing Process Analysis of NVMe Controller

Figure 89. Industry Chain Structure of NVMe Controller

Figure 90. Channels of Distribution

Figure 91. Global NVMe Controller Sales Market Forecast by Region (2027-2032)

Figure 92. Global NVMe Controller Revenue Market Share Forecast by Region (2027-2032)

Figure 93. Global NVMe Controller Sales Market Share Forecast by PCIe Generation (2027-2032)

Figure 94. Global NVMe Controller Revenue Market Share Forecast by PCIe Generation (2027-2032)

Figure 95. Global NVMe Controller Sales Market Share Forecast by Application (2027-2032)

Figure 96. Global NVMe Controller Revenue Market Share Forecast by Application
(2027-2032)

I would like to order

Product name: Global NVMe Controller Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G5BBF05F1475EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5BBF05F1475EN.html>