

# Global PCIe SSD for AI Market Growth 2024-2030

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## Abstracts

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PCIe SSD for AI are specialized solid-state drives designed to meet the high-performance requirements of artificial intelligence (AI) and machine learning (ML) workloads in data centers and enterprise environments. Unlike standard SSDs, these drives are engineered to handle the immense data throughput, low latency, and high IOPS (Input/Output Operations Per Second) demands of AI applications such as deep learning, neural network training, and real-time data analytics.

The global PCIe SSD for AI market size is projected to grow from US\$ 517 million in 2024 to US\$ 950 million in 2030; it is expected to grow at a CAGR of 10.7% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "PCIe SSD for AI Industry Forecast" looks at past sales and reviews total world PCIe SSD for AI sales in 2023, providing a comprehensive analysis by region and market sector of projected PCIe SSD for AI sales for 2024 through 2030. With PCIe SSD for AI sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world PCIe SSD for AI industry.

This Insight Report provides a comprehensive analysis of the global PCIe SSD for AI 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 PCIe SSD for AI portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PCIe SSD for AI market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PCIe SSD for AI and breaks down the forecast by Type, 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 PCIe SSD for AI.

United States market for PCIe SSD for AI is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for PCIe SSD for AI is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for PCIe SSD for AI is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key PCIe SSD for AI players cover Samsung, Western Digital, Kingston, SK Hynix, Seagate Technology, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of PCIe SSD for AI market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

PCIe 4.0 SSD

PCIe 5.0 SSD

Other

Segmentation by Application:

High Performance Computing (HPC)

Industrial Use

Automotive

Other

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.

Samsung

Western Digital

Kingston

SK Hynix

Seagate Technology

ADATA

Micron Technology

Gigabyte

KIOXIA

Intel

### Key Questions Addressed in this Report

What is the 10-year outlook for the global PCIe SSD for AI market?

What factors are driving PCIe SSD for AI market growth, globally and by region?

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

How do PCIe SSD for AI market opportunities vary by end market size?

How does PCIe SSD for AI break out by Type, by Application?

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