

# Global PCIe Packet Switch Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global PCIe Packet Switch market size is expected to reach \$ 2953 million by 2032, rising at a market growth of 13.2% CAGR during the forecast period (2026-2032).

PCIe Packet Switch is a core component for building high-performance computing and storage interconnect architectures, responsible for multi-port, low-latency data packet routing and traffic management within the PCI Express bus topology, serving as critical infrastructure for I/O bandwidth expansion. The PCIe Packet Switch supply chain consists of Upstream, Midstream, and Downstream segments. The Upstream segment mainly provides core wafer fabrication, lithography technology, and advanced packaging services, with top supplier representatives including TSMC, ASML, and ASE Technology Holding; the Midstream segment focuses on the specialized design, manufacturing, and supply of the switch chips; the Downstream market covers end-application fields with strict requirements for high-port density and high-bandwidth interconnects in data center and enterprise storage sectors, specifically including Server and SSD, with top Downstream company representatives being Dell, Samsung, and Western Digital. In 2025, production was 40 million units and the average price was USD 30 per unit. The industry's capacity utilization rate in 2025 was about 80%, and the average gross margin was around 60%.

As global data volumes explode, cloud computing infrastructure continues to demand increased scalability, virtualization, and high-speed interconnectivity. The PCIe Packet Switch is a core enabler for realizing high-density I/O expansion both within servers and across racks. With the PCIe standard advancing to Gen6 and beyond, its throughput and low-latency performance become paramount. To meet the immense data exchange needs of Artificial Intelligence accelerators, High-Performance Computing clusters, and hyperscale data centers, its market size is inevitably set for robust growth, ensuring a

positive long-term outlook.

This report studies the global PCIe Packet Switch production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PCIe Packet Switch 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 PCIe Packet Switch that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PCIe Packet Switch total production and demand, 2021-2032, (Million Units)

Global PCIe Packet Switch total production value, 2021-2032, (USD Million)

Global PCIe Packet Switch production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global PCIe Packet Switch consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: PCIe Packet Switch domestic production, consumption, key domestic manufacturers and share

Global PCIe Packet Switch production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global PCIe Packet Switch production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global PCIe Packet Switch production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global PCIe Packet Switch 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 Broadcom (USA), Astera Labs (USA), Microchip (USA), Texas Instruments (USA), ASMedia (China), Montage Technology (China), Diodes (USA), 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 PCIe Packet Switch market

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million 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 PCIe Packet Switch Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global PCIe Packet Switch Market, Segmentation by Type:

PCIe 2.0

PCIe 3.0

PCIe 4.0

Others

### Global PCIe Packet Switch Market, Segmentation by Number of Ports:

4-Port

8-Port

16-Port

Others

### Global PCIe Packet Switch Market, Segmentation by Package:

BGA

LGA

Others

### Global PCIe Packet Switch Market, Segmentation by Channel:

1-Lane Type

2-Lane Type

4-Lane Type

Others

### Global PCIe Packet Switch Market, Segmentation by Application:

Server

SSD

Others

### Companies Profiled:

Broadcom (USA)

Astera Labs (USA)

Microchip (USA)

Texas Instruments (USA)

ASMedia (China)

Montage Technology (China)

Diodes (USA)

### Key Questions Answered:

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

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