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Global AI Server Switch Board Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global AI Server Switch Board market size is expected to reach $ 5515 million by 2032, rising at a market growth of 12.6% CAGR during the forecast period (2026-2032).

In 2025, global sales volume for AI server switch boards is projected to reach approximately 1.1 million units, with an average price of around $2,000 per unit. These boards are high-layer-count PCBs or PCBAs installed within AI servers, GPU trays, or rack-level compute nodes; they host components such as NVSwitch, PCIe/CXL switch chips, Ethernet/DPU interconnect chips, retimers, and high-speed connectors to facilitate low-latency, high-bandwidth aggregation and fan-out among CPUs, GPUs, NICs, DPUs, and NVMe devices. This category excludes standalone rack-mount network switches, power distribution switchgear, and power supply boards dedicated solely to power delivery. Upstream sectors primarily involve high-speed copper-clad laminates, switch chips, connectors, PCB manufacturing, and electronic assembly, while downstream sectors mainly comprise AI server OEMs/ODMs, hyperscale cloud data centers, enterprise private AI systems, and high-performance computing (HPC) clusters for research.

Report Scope

This report studies the global AI Server Switch Board production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Server Switch Board 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 AI Server Switch Board that

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contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI Server Switch Board total production and demand, 2021-2032, (K Units)

Global AI Server Switch Board total production value, 2021-2032, (USD Million)

Global AI Server Switch Board production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global AI Server Switch Board consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: AI Server Switch Board domestic production, consumption, key domestic manufacturers and share

Global AI Server Switch Board production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global AI Server Switch Board production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global AI Server Switch Board production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global AI Server Switch Board 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 Zhen Ding Technology Holding Limited, Unimicron Technology Corporation, TTM Technologies, Wus Printed Circuit Co., Ltd., Victory Giant Technology (Huizhou) Co., Ltd., Shennan Circuits Co., Ltd., Compeq Manufacturing Co., Ltd., Tripod Technology Corporation, Gold Circuit Electronics Ltd., AT&S, etc.

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

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Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI Server Switch Board 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 AI Server Switch Board Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global AI Server Switch Board Market, Segmentation by Type:

OAM/UBB Switch Boards

SXM/HGX NVSwitch Boards

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PCIe/CXL Switch Boards

DPU/NIC Fabric Boards

Global AI Server Switch Board Market, Segmentation by Technology:

PCIe Gen4: 16 GT/s per lane

PCIe Gen5: 32 GT/s per lane

PCIe Gen6/CXL 3.x: 64 GT/s per lane

112G/224G SerDes-Class

Global AI Server Switch Board Market, Segmentation by Functional Category:

GPU Scale-Up Fabric Boards

CPU-GPU I/O Aggregation Boards

Storage and NIC Switching Boards

Switch Tray and Fabric Backplanes

Global AI Server Switch Board Market, Segmentation by Application:

Large-Model Training

Generative AI Inference

HPC and Scientific Computing

Hyperscale Cloud Data Centers

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Enterprise and Sovereign AI

Companies Profiled:

Zhen Ding Technology Holding Limited

Unimicron Technology Corporation

TTM Technologies

Wus Printed Circuit Co., Ltd.

Victory Giant Technology (Huizhou) Co., Ltd.

Shennan Circuits Co., Ltd.

Compeq Manufacturing Co., Ltd.

Tripod Technology Corporation

Gold Circuit Electronics Ltd.

AT&S

IBIDEN Co., Ltd.

Meiko Electronics Co., Ltd.

Shenzhen Kinwong Electronic Co., Ltd.

Key Questions Answered:

1. How big is the global AI Server Switch Board market?
2. What is the demand of the global AI Server Switch Board market?
3. What is the year over year growth of the global AI Server Switch Board market?
4. What is the production and production value of the global AI Server Switch Board

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market?
5. Who are the key producers in the global AI Server Switch Board market?
6. What are the growth factors driving the market demand?

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