

# Global GPU Server Mainboard Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G47ACCEDD0C5EN.html>

Date: May 2026

Pages: 111

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

ID: G47ACCEDD0C5EN

## Abstracts

The global GPU Server Mainboard market size is expected to reach \$ 10597 million by 2032, rising at a market growth of 14.7% CAGR during the forecast period (2026-2032).

In 2025, global GPU Server Mainboard production reached approximately 3.50 million units, with an average global market price of around US\$1,120 per unit.

The gross profit margin of major companies in the industry is between 16% ? 28%.

In 2025, the global production capacity of GPU Server Mainboard was approximately 4.67 million units.

GPU Server Mainboard is a high-performance server motherboard designed to support multiple GPUs, high-speed interconnects, large memory capacity, and intensive data throughput. It serves as the core hardware platform for AI training, inference, cloud computing, and accelerated data center workloads, requiring strong power delivery, signal integrity, and thermal coordination.

The industrial chain of GPU Server Mainboard includes upstream PCB laminates, sockets, VRMs, chipsets, connectors, high-speed interfaces, capacitors, and thermal parts. Midstream covers board design, SMT assembly, BIOS development, testing, and server validation. Downstream applications mainly include AI servers, HPC systems, cloud platforms, enterprise computing, and accelerated data center deployment.

This report studies the global GPU Server Mainboard production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GPU Server Mainboard 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 GPU Server Mainboard that contribute to its increasing demand across many markets.

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

Global GPU Server Mainboard total production and demand, 2021-2032, (K Units)

Global GPU Server Mainboard total production value, 2021-2032, (USD Million)

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

Global GPU Server Mainboard consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: GPU Server Mainboard domestic production, consumption, key domestic manufacturers and share

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

Global GPU Server Mainboard production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global GPU Server Mainboard production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global GPU Server Mainboard 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 Supermicro, ASUS, GIGABYTE, ASRock Rack, MiTAC, AIC, Inventec, AAEON, Advantech, 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 GPU Server Mainboard 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 GPU Server Mainboard Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global GPU Server Mainboard Market, Segmentation by Type:

Intel Xeon Platform Mainboard

AMD EPYC Platform Mainboard

#### Global GPU Server Mainboard Market, Segmentation by PCIe Generation:

PCIe 4.0 GPU Mainboard

PCIe 5.0 GPU Mainboard

#### Global GPU Server Mainboard Market, Segmentation by Application:

AI Training & Inference Server

High-Performance Computing (HPC)

Cloud Gaming & Rendering Workstation

Other

#### Companies Profiled:

Supermicro

ASUS

GIGABYTE

ASRock Rack

MiTAC

AIC

Inventec

AAEON

Advantech

#### **Key Questions Answered:**

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

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