AI Server Suppliers



Overview

Top Five AI Server Companies for Data Centers and This ABI Research competitive assessment ranks the top five AI server companies worldwide. AI Server Comp.

Key Takeaways

Top AI server suppliers include Supermicro, Dell, Hewlett-Packard Enterprise (HPE), Lenovo, Huawei, and IBM, offering high-performance, GPU-accelerated servers for AI workloads.

Leading AI Server Companies

Supermicro – Based in San Jose, California, Supermicro is recognized for agile, modular AI servers suitable for both small-scale enterprise systems and large data centers. Their servers feature advanced liquid cooling solutions capable of handling rack densities up to 250 kW, making them ideal for high Thermal Design Power (TDP) AI workloads. Dell Inc. – Dell provides PowerEdge servers optimized for AI workloads, often in collaboration with Red Hat Enterprise Linux AI (RHEL AI) to simplify deployment.

Their servers support NVIDIA GPUs and are designed for seamless integration into enterprise AI/ML pipelines.

Hewlett-

Packard Enterprise (HPE) – HPE offers the ProLiant DL145 Gen11 and other AI-focused servers, supporting edge and data center workloads.

HP

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E emphasizes professional services, lifecycle management, and software for orchestration, scheduling, and AI workload optimization. Lenovo – Lenovo delivers AI servers with global reach, focusing on performance, scalability, and integration with GPU accelerators for AI and HPC applications. Huawei – Huawei provides AI server solutions with strong R&D capabilities, particularly in China, offering high-performance computing platforms for enterprise and cloud AI applications.

IB

M – IBM's AI servers are designed for large-scale AI and data analytics workloads, integrating GPU acceleration and enterprise-grade reliability.

Key Considerations When Choosing A

I Server Suppliers

Processing Capabilities & Performance: Evaluate GPU configurations (e.g., NVIDIA A100, H100, L40S), memory bandwidth, and storage options to match your computational needs. Scalability & Flexibility: Look for suppliers offering AI cluster-ready solutions, hot-swap GPU modules, and multiple GPU tiers for future expansion. Energy Efficiency & Cooling: Efficient thermal design is critical for high-density AI workloads, especially in data centers.

Certifications & Quality: ISO 9001, ISO 14001, UL, CE, and ISO 27001 certifications ensure quality, environmental compliance, and data security. Support & Services: Vendors like Supermicro, Dell, and HPE provide deployment support, lifecycle management, and professional services to optimize AI infrastructure. Pricing & Billing Models: Consider flexible pricing, spot instances, bulk discounts, and transparent data transfer fees for cost-effective scaling.

Regional Manufacturing Hubs

China: Shenzhen (Guangdong province) and Beijing are major hubs for AI server manufacturing, offering robust supply chains, R&D capabilities, and cost-effective production. United States: Supermicro, Dell, HPE, and IBM provide servers with strong support networks and integration services for North American enterprises.

Specialized Suppliers

Viperatech – Offers GPU-accelerated servers for LLM training, inference, HPC, and enterprise AI workloads. Their servers are scalable, high-performance, and configurable for specific AI applications, including HGX B200/H200 platforms.

Summary

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When sourcing AI servers, enterprises should evaluate suppliers based on performance, scalability, GPU support, cooling solutions, certifications, and professional services. Leading suppliers like Supermicro, Dell, HPE, Lenovo, Huawei, and IBM provide a range of options for both data center and edge deployments, while specialized vendors like Viperatech offer tailored solutions for high-performance AI workloads. Selecting the right supplier ensures efficient, reliable, and future-proof AI infrastructure.

Article Content

AI Server Companies

Dell Inc. (US), Hewlett Packard Enterprise Development LP (US), Lenovo (Hong Kong), Huawei Technologies Co., Ltd. (China), and IBM (US) are the major players in the AI server market.

AI Server Manufacturers List: Top Global Suppliers & Products 2025

Discover the ultimate AI server manufacturers list featuring verified suppliers like Inspur and Dell. Need high-performance computing solutions? Compare specs, prices, and customization

Top AI Servers Companies for High-Performance Computing in 2025

Discover leading AI servers companies offering cutting-edge solutions for machine learning and deep learning. Find high-performance, scalable systems optimized for AI workloads.

AI Server Companies Driving AI Innovation in 2025

These companies design, manufacture, and operate AI-optimized servers tailored for deep learning, large-scale AI training, and enterprise AI workloads—whether on-premise or in the cloud.

AI Server | TrendForce

Driven by our unwavering commitment to excellence, TrendForce leads AI server analysis, dissecting the market through the lens of supply and demand. Our

AI Server Market Update: Vendors Shift from Silicon to Services

AI Server Market Update: Vendors Shift from Silicon to Services Dell, HPE, Lenovo, and Supermicro are riding record AI server demand, but winning enterprise customers requires more

AI Server Storage Demand Surges; Top Five NAND Flash Suppliers

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The global NAND Flash industry continued to benefit from AI infrastructure build-outs in 4Q25, according to TrendForce''s latest research. All in all, the combined revenue of the top five

MLCC Shortages Return as AI Server Demand Strains

High-capacitance Multi-Layer Ceramic Capacitors (MLCCs) are entering a period of restricted availability as tier-one manufacturers divert

NVIDIA, Google Among First 800V HVDC Adopters; Initial

Rapidly rising AI data center power consumption is accelerating adoption of 800V high-voltage direct current (HVDC) architectures. According to Commercial Times, NVIDIA''s Vera Rubin

Why liquid cooling will dominate AI data centres in 2026

As AI power demands surge into 2026, liquid cooling is becoming the essential technology keeping data centres efficient, stable, and future-ready.

Dell Technologies Q3 FY 2026: AI Orders, Outlook Rise

Futurum Research analyzes Dell''s Q3 FY 2026 results, highlighting accelerating AI server demand, rack-scale deployment differentiation, and supply

Data center power solutions

Innovative solutions addressing the ever-increasing power and density requirements of next generation AI server racks in the data center

AI Data Center Value Chain: Every Layer from Chips to Cloud

AI data center value chain: chips to cloud. Semiconductor, GPU design, servers, networking, power, and cloud layers mapped by company. Interactive.

Artificial Intelligence (AI) surge pushes data center PSU

The data center PSU market will reach $14 billion by 2030. Its CAGR from 2024 to 2030 is expected to be 15%. High-power PSU segment to

Dell, HPE server supply upended by memory crunch

Dell, HPE server supply upended by memory crunch Despite similar challenges, the two computer makers are using different strategies to battle supply constraints, including passing costs

Nvidia, Intel, and AMD all in on AI: server supply chain faces shortage ...

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Nvidia, AMD, and Intel are all optimistic about AI development. However, server supply chain companies admit that orders are no longer the issue. Instead, what is most lacking are three

MLCC Consider Price Increase as AI Demand

AI server demand is rapidly absorbing high-end MLCC capacity and manufacturers are considering price increase of the high end MLCC capacitors

Why Are Server Prices Rising in 2026? What Is Driving It

Server and PC hardware prices are climbing in 2026. Here is what is driving the increase, how long it may last, and what it means for your IT budget.

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