

RIVO MULTITRADE OPTICAL SYSTEMS

AI Server Professional Manufacturer



Overview

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

Key Takeaways

Leading AI server manufacturers include Dell, HPE, Lenovo, Huawei, IBM, Aivres, and AIME, offering high-performance, GPU-optimized, and scalable solutions for AI workloads. Top Global AI Server Companies

The AI server market is rapidly expanding, projected to reach USD 837.83 billion by 2030, driven by the growing demand for high-performance computing for AI and generative AI workloads. Key professional manufacturers include:

- Dell Inc. (US): Offers PowerEdge servers optimized for AI workloads, often in collaboration with NVIDIA GPUs and Red Hat Enterprise Linux AI for seamless AI deployment.
- Hewlett Packard Enterprise (HPE, US): Provides ProLiant DL145 Gen11 servers and HPC & AI systems, supporting edge-to-cloud AI applications with integrated storage and networking solutions.
- Lenovo (Hong Kong): Supplies AI-optimized servers with high-density GPU configurations for enterprise and data center applications.
- Huawei Technologies (China): Delivers AI servers with advanced GPU/CPU integration for large-scale AI training and inference.

- IBM (US): Offers AI-ready servers and HPC solutions for enterprise AI workloads .

Specialized AI Server Providers

- Aivres: Focuses on end-to-end AI data center infrastructure, including liquid-cooled servers like the KR6268 6U AI server with 8 NVIDIA RTX PRO 6000 Blackwell GPUs, designed for large language model training and advanced AI graphics .

- AIME (Germany): Provides HPC servers, workstations, and GPU cloud services with AMD CPUs and NVIDIA GPUs, preinstalled deep learning frameworks, and flexible hosting options for research and enterprise AI applications .

Key Features of Professional AI Servers

- High-Performance GPUs and Accelerators: Support for NVIDIA, AMD, TPUs, and specialized AI accelerators for training and inference .

- Pre-Validated Racks and Clusters: Integrated compute, networking, and cooling solutions for rapid deployment .

- Advanced Cooling Solutions: Liquid cooling and thermal management for high-density AI workloads .

- Software and Professional Services: Preinstalled AI frameworks, infrastructure management software, and consulting services to optimize AI model training and deployment .

- Scalability and Flexibility: Modular designs and open architecture support for future expansion and interoperability .

Conclusion

For enterprises and data centers seeking professional AI servers, Dell, HPE, Lenovo, Huawei, IBM, Aivres, and AIME represent the leading manufacturers. They provide high-performance, GPU-optimized, and scalable solutions with integrated cooling, software, and professional services to meet the demands of modern AI workloads and large-scale model training .

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