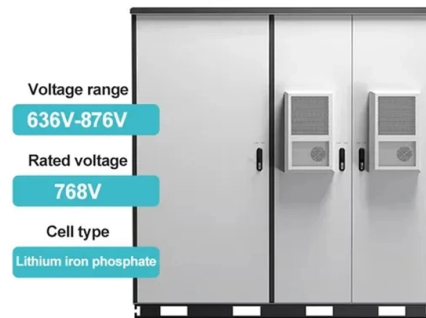


Price list for 1 6TAI servers for data center interconnection



Article Overview

The cost of 1.6TAI AI servers varies widely depending on configuration, GPU count, and data center requirements, typically ranging from \$50,000 to \$150,000 per node, with additional costs for power, cooling, and interconnect infrastructure.

Server Hardware Costs

High-performance AI servers like the 1.6TAI are designed for dense GPU workloads and data center interconnection. Each node may include multiple NVIDIA H100 or H200 GPUs, high-core-count CPUs, and large memory configurations. Based on comparable HPE and Dell AI server models, per-node hardware costs can range from \$50,000 to \$150,000, depending on GPU count, storage, and networking options. Pre-configured HPE ProLiant or Dell PowerEdge servers provide a starting point for pricing, with options for AI acceleration and rack-optimized designs.

Power and Cooling Considerations

1.6TAI servers are power-intensive, often consuming 5–7 kW per node, which is significantly higher than traditional servers. This impacts rack density, as only 8–9 high-performance nodes fit in a standard 42U rack. Cooling and power infrastructure must be upgraded to handle 50–65 kW per rack, including UPS, PDUs, and airflow management. These operational costs can double or triple the total cost per rack compared to standard servers.

Networking and Interconnect Costs

Article Content

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