

4U AI SERVER



The Chenbro 4U AI server takes training and inference functions to peak performance. Powered by the latest generation of Intel® Xeon® scalable processors, it supports up to 8 GPUs and provides superior performance for high-density GPU computing. It allows for deployment of a variety of GPUs and topologies while optimizing interconnections, so intensive applications and models can run with ease.

Superior Performance & Scalability

- Supports dual 4th or 5th Gen Intel® Xeon® Scalable processors
- 32 DDR5 memory slots, up to 5600 MHz
- Supports 2-8-3/2-8-5 Network Topology (2 CPU-8 GPU-3/5 NIC)
- Supports mainstream SmartNIC products, including Bluefield 3
- Provides flexible OCP and PCIe card expansion, and supports PCIe 5.0

Simple Operation with Intelligent Management

This server offers toolless maintenance for maximum efficiency. Out-of-band visual management provides remote staff with updates while downtime is automatically recorded and downtime logs are available remotely. Health status for key components can also be monitored.

Extremely Cool & Quiet

The server allows a 15% increase of air intake and 8% increase in heat dissipation. Customized fans increase air flow by 30% while power consumption is reduced by 15% and noise by 10%. Liquid cooling support is also available.

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Specifications

CPU Type	Intel® Xeon® Scalable (Gen 4/5)
CPU Count	2
Memory Type	32 DDR5 ECC slots (1DPC: up to 5600MT/s ECC DDR5 RDIMM 2DPC: up to 4400MT/s ECC DDR5 RDIMM)
Memory Capacity	32 128GB Modules
RAID Support	0, 1, 5, 6, 10, 50, 60
Drive Bays	12 bays, support for either 2.5" or 3.5"
Storage Type	SATA/SAS
OCP	1 OCP 3.0 slot w/ NC-SI
PCIe Gen	5
PCIe Expansion Slots	12 slots + OCP
GPU Support	8 double-width
Networking	1 RJ45 management port OCP needed for 1/10/25/100/200 GbE
USB	Front: 2 USB 3.0 ports Rear: 2 USB 3.0 ports
PSUs	4 3200W CRPS units
Fans	8 hot swappable N+1 (80*80mm) fans
Management	2 BMCs: IPMI 2.0 / REDFISH / SNMP
OS Options	Redhat Ent / VMWare / Ubuntu
Carton Dimensions	39.4 x 23.62 x 16.53"
Temperature	5°C~35°C
Gross Weight (lbs)	115.5