

AceleMax® AXG-428ILC2

4U DP Intel® Xeon® 6+ CPU 8x NVIDIA HGX™ B200 DLC GPU server



Features

- Liquid-cooled NVIDIA HGX™ B200
- CPU+GPU direct liquid cooling solution with leak detection
- 1.8 TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™
- Dual Intel® Xeon® 6900E+/6900-Series Processors
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 24 x DIMMs
- Compatible with NVIDIA BlueField®-3 DPUs and NVIDIA ConnectX®-7 NICs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen5 x4 and x2
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL dual-slot PCIe x16 slots with Gen5 x16 lanes
- 8 x FHHL single-slot PCIe x16 slots with Gen5 x16 lanes
- 4+4 3000W 80 PLUS Titanium redundant power supplies

Applications

- AI
- AI training
- AI inference
- High-performance computing

Specifications

Dimensions	447mm x 175.5mm x 901mm (4U) 17.60" x 6.91" x 35.47"
Processor Support	Intel® Xeon® 6+ Processors • Intel® Xeon® 6900E+ Processors Intel® Xeon® 6 Processors • Intel® Xeon® 6900-Series Processors [DLC] Dual processors, TDP up to 500W
Socket	2 x LGA 7529 (Socket BR)
Chipset	System on Chip
GPU	[DLC] NVIDIA HGX™ B200 with 8 x SXM GPUs
Memory	24 x DIMM slots Support DDR5 RDIMM/MRDIMM ^[1] 12-Channel memory per processor Intel Xeon 6900E+: • RDIMM: Up to 8000 MT/s Intel Xeon 6900-series: • RDIMM: Up to 6400 MT/s • MRDIMM: Up to 8800 MT/s Note: MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.
Expansion Slots	8 x FHHL x16 (Gen5 x16) 4 x FHHL x16 (Gen5 x16)

Specifications	
Storage	Front hot-swap: • 8 x 2.5" Gen5 NVMe Internal M.2: • 1 x M.2 (2280/22110), PCIe Gen5 x4 • 1 x M.2 (2280/22110), PCIe Gen5 x2
Networking	2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Supports NCSI
Graphics	Integrated in ASPEED® AST2600
I/O Ports	Front: • 2 x USB 3.2 Gen1(Type-A) • 1 x VGA • 2 x RJ45 • 1 x MLAN (default) • 1 x Power button with LED • 1 x ID button with LED • 1 x NMI button • 1 x Reset button • 1 x Storage activity LED • 1 x System status LED Rear: • 1 x MLAN
Power Supply	4+4 3000W 80 PLUS Titanium redundant power supplies
Cooling	Motherboard: • 2 x 60x60x56mm System Fans • 2 x 60x60x76mm System Fans PCIe slots: 4 x 80x80x56mm System Fans GPU tray: 4 x 60x60x38mm System Fans
Operating Environment	Operating temperature: 10°C to 35°C Operating humidity: 8% to 80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20% to 95% (non-condensing)