

AceleMax® AXG-428ILC3

4U DP Intel® Xeon® 6 CPU 8x NVIDIA HGX™ B300 DLC GPU server



Features

- Liquid-cooled NVIDIA HGX™ B300
- Integrated-manifold DLC solution with leak detection
- 8 x 800 Gb/s OSFP XDR InfiniBand or dual 400 Gb/s Ethernet GPU networking ports via onboard NVIDIA ConnectX®-8 SuperNIC™
- 1.8 TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™ and NVIDIA NVLink™ Switch
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- Compatible with NVIDIA BlueField®-3 DPUs
- 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 PCIe x16 slots with Gen5 x16 lanes
- 5+5 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® 6700-Series Processors • Intel® Xeon® 6500-Series Processors [DLC] Dual processor, TDP up to 350W
Socket	2 x LGA 4710 (Socket E2)
Chipset	System on Chip
GPU	[DLC] NVIDIA HGX™ B300 with 8 x SXM GPUs
Memory	[DLC] 32 x DIMM slots Support DDR5 RDIMM/MRDIMM 8-Channel memory per processor RDIMM: Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) MRDIMM: Up to 8000 MT/s Note: MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.
Expansion Slots	4 x FHHL x16 (Gen5 x16)
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

Specifications	
Networking	[DLC] 8 x 800 Gb/s OSFP XDR InfiniBand or dual 400 Gb/s Ethernet, for GPU networking, via NVIDIA ConnectX®-8 SuperNIC™ 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support 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: • 8 x OSFP • 1 x MLAN
Power Supply	5+5 3000W 80 PLUS Titanium redundant power supplies
Cooling	Motherboard: • 2 x 60x60x38mm System Fans • 3 x 60x60x56mm System Fans PCIe slots: 2 x 80x80x56mm 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)