

AceleMax® AXG-828UA

8U DP AMD EPYC™ CPU 8x NVIDIA HGX™ B300 GPU server



Features

- NVIDIA HGX™ B300
- 8 x 800 Gb/s OSFP GPU networking ports supporting InfiniBand XDR or dual 400 Gb/s Ethernet
- via onboard NVIDIA ConnectX®-8 SuperNIC™
- 1.8 TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™ and NVLink™ Switch
- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Compatible with NVIDIA® BlueField®-3 DPUs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 PCIe Gen3 x4 and x1
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL PCIe Gen5 x16
- 12 x 3000 W 80 PLUS Titanium redundant power supplies

Applications

- AI
- AI Training
- AI Inference
- High-performance computing

Specifications

Dimensions	447mm x 351mm x 923mm (8U) 17.6" x 13.8" x 36.3"
Processor Support	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, TDP up to 500W
Socket	2 x LGA 6096 (SP5)
Core Logic	System on Chip
Memory	24 x DDR5 DIMMs, 12-Channel DDR5 RDIMM per CPU • AMD EPYC™ 9005: Up to 6400 MT/s • AMD EPYC™ 9004: Up to 4800 MT/s
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 Gen3 x4 • 1 x M.2 (2280/22110), PCIe Gen3 x1
Networking	8 x 800 Gb/s OSFP supporting InfiniBand XDR 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)
Graphics	Aspeed AST2600

Specifications

<p>I/O Ports</p>	<p>Front:</p> <ul style="list-style-type: none"> • 2 x USB 3.2 Gen1 • 1 x VGA • 2 x RJ45 • 1 x MLAN • 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 <p>Rear:</p> <ul style="list-style-type: none"> • 8 x OSFP • 1 x MLAN
<p>Power Supply</p>	<p>12 x 3000W 80 PLUS Titanium redundant power supplies</p>
<p>Cooling</p>	<p>Motherboard:</p> <ul style="list-style-type: none"> • 2 x 60x60x56mm System Fans • 4 x 60x60x76mm System Fans <p>OSFP ports: 4 x 40x40x56mm System Fans PCIe slots: 2 x 80x80x56mm System Fans GPU tray: 15 x 80x80x80mm System Fans</p>
<p>Operating Environment</p>	<p>Operating temperature: 10°C to 30°C Operating humidity: 8% to 80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20% to 95% (non-condensing)</p>

