

# AceleMax® AXG-428ALC3

4U DP AMD EPYC™ 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 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
- 5+5 3000W 80 PLUS Titanium redundant power supplies

## Applications

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

Specifications	
<b>Dimensions</b>	447mm x 175.5mm x 901mm (4U) 17.60" x 6.91" x 35.47"
<b>Processor Support</b>	AMD EPYC™ 9005 Server Processors AMD EPYC™ 9004 Server Processors [DLC] Dual processors, TDP up to 500W
<b>Socket</b>	2 x LGA 6096 (Socket SP5)
<b>Chipset</b>	System on Chip
<b>GPU</b>	[DLC] NVIDIA HGX™ B300 with 8 x SXM GPUs
<b>Memory</b>	[DLC] 24 x DIMM slots, Support DDR5 RDIMM 12-Channel memory per processor • AMD EPYC™ 9005: Up to 6400 MT/s • AMD EPYC™ 9004: Up to 4800 MT/s
<b>Expansion Slots</b>	4 x FHHL x16 (Gen5 x16)
<b>Storage</b>	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
<b>Networking</b>	[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
<b>Graphics</b>	Integrated in ASPEED® AST2600

**Specifications**

<p><b>I/O Ports</b></p>	<p>Front:</p> <ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1(Type-A)</li> <li>• 1 x VGA</li> <li>• 2 x RJ45</li> <li>• 1 x MLAN (default)</li> <li>• 1 x Power button with LED</li> <li>• 1 x ID button with LED</li> <li>• 1 x NMI button</li> <li>• 1 x Reset button</li> <li>• 1 x Storage activity LED</li> <li>• 1 x System status LED</li> </ul> <p>Rear:</p> <ul style="list-style-type: none"> <li>• 8 x OSFP</li> </ul>
<p><b>Power Supply</b></p>	<p>5+5 3000W 80 PLUS Titanium redundant power supplies</p>
<p><b>Cooling</b></p>	<p>Motherboard:</p> <ul style="list-style-type: none"> <li>• 2 x 60x60x38mm System Fans</li> <li>• 3 x 60x60x56mm System Fans</li> </ul> <p>PCIe slots: 2 x 80x80x56mm System Fans</p>
<p><b>Operating Environment</b></p>	<p>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)</p>

