

# AceleMax® AXG-828UI9

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



## Features

- NVIDIA HGX™ B300
- 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® 6900E+/6900-Series Processors
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 24 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
- 6+6 3000 W 80 PLUS Titanium redundant power supplies

## Applications

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

## Specifications

|                          |  |
|--------------------------|--|
| <b>Dimensions</b>        | 447mm x 351mm x 923mm (8U)<br>17.6" x 13.8" x 36.3"  |
| <b>Processor Support</b> | Supports Intel® Xeon® 6+ Processors <ul style="list-style-type: none"> <li>• Intel® Xeon® 6900E+ Processors</li> </ul> Supports Intel® Xeon® 6 Processors <ul style="list-style-type: none"> <li>• Intel® Xeon® 6900-Series Processors</li> </ul> Dual processor, TDP up to 500W           |
| <b>Socket</b>            | 2 x LGA 7529 (Socket BR)   |
| <b>Core Logic</b>        | System on Chip   |
| <b>Memory</b>            | 24 x DDR5 DIMMs, 12-Channel DDR5 RDIMM/MRDIMM per CPU <ul style="list-style-type: none"> <li>• Intel® Xeon® 6900E+: RDIMM up to 8000 MT/s</li> </ul> Intel® Xeon® 6900 series: <ul style="list-style-type: none"> <li>• RDIMM up to 6400 MT/s</li> <li>• MRDIMM up to 8800 MT/s</li> </ul> |
| <b>Expansion Slots</b>   | 4 x FHHL x16 (Gen5 x16)  |
| <b>Storage</b>           | Front hot-swap: <ul style="list-style-type: none"> <li>• 8 x 2.5" Gen5 NVMe</li> </ul> Internal M.2: <ul style="list-style-type: none"> <li>• 1 x M.2 (2280/22110), PCIe Gen5 x4</li> <li>• 1 x M.2 (2280/22110), PCIe Gen5 x2</li> </ul>  |
| <b>Networking</b>        | 8 x 800 Gb/s OSFP supporting InfiniBand XDR or dual 400 Gb/s Ethernet, for GPU networking, via NVIDIA ConnectX®-8 SuperNIC<br>2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI  |

| Specifications        |   |
|-----------------------|---|
| Graphics              | ASPEED AST2600  |
| I/O Ports             | <p>Front:</p> <ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1</li> <li>• 1 x VGA</li> <li>• 2 x RJ45</li> <li>• 1 x MLAN</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> <li>• 1 x MLAN</li> </ul> |
| Power Supply          | 6+6 3000W 80 PLUS Titanium redundant power supplies   |
| Cooling               | <p>Motherboard:</p> <ul style="list-style-type: none"> <li>• 2 x 60x60x56mm System Fans</li> <li>• 4 x 60x60x76mm System Fans</li> </ul> <p>OSFP ports: 4 x 40x40x56mm System Fans<br/>           PCIe slots: 2 x 80x80x56mm System Fans<br/>           GPU tray: 15 x 80x80x80mm System Fans</p>   |
| Operating Environment | <p>Operating temperature: 10°C to 30°C<br/>           Operating humidity: 8% to 80% (non-condensing)<br/>           Non-operating temperature: -40°C to 60°C<br/>           Non-operating humidity: 20% to 95% (non-condensing)</p>   |

