

# AceleMax® AXG-224BLC

## 2U NVIDIA GB200 NVL4 DLC Server



### Features

- Direct liquid-cooled NVIDIA GB200 NVL4 solution with integrated piping for over 85% system heat coverage
- 4 x 800 Gb/s liquid-cooled OSFP InfiniBand XDR or dual 400 Gb/s Ethernet GPU networking ports via NVIDIA ConnectX®-8 SuperNIC™
- 4 x 186GB HBM3E GPU memory
- 2 x 480GB LPDDR5X ECC CPU memory
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 8 x DLC 2.5" Gen5 NVMe
- 4 x DLC 2.5" Gen5 NVMe via NVIDIA® BlueField®-3 DPU (optional)
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 1 x DLC FHHL PCIe Gen5 x16 slot for NVIDIA® BlueField®-3 DPUs
- 1 x FHHL PCIe Gen5 x16 slot
- 4 x 3200W 80 PLUS Titanium redundant power supplies

### Applications

- AI
- AI training
- AI inference
- High-performance computing
- Human-computer interaction

### Specifications

|                        |   |
|------------------------|---|
| <b>Dimensions</b>      | 438mm x 87mm x 900mm (2U)<br>17.2" x 3.4" x 35.4"   |
| <b>Superchip</b>       | 2 x liquid-cooled NVIDIA GB200 Grace Blackwell Superchips<br>Per superchip: <ul style="list-style-type: none"> <li>• 1 x NVIDIA Grace™ CPU</li> <li>• 2 x NVIDIA Blackwell GPUs</li> <li>• CPU and GPU connected with NVIDIA NVLink™-C2C</li> <li>• GPU and GPU connected with NVIDIA NVLink™</li> <li>• GPU TDP up to 1200W</li> </ul> |
| <b>Memory</b>          | NVIDIA Grace™ CPU: <ul style="list-style-type: none"> <li>• 480GB of LPDDR5X memory with ECC</li> <li>• Memory bandwidth up to 512GB/s</li> </ul> NVIDIA Blackwell GPU: <ul style="list-style-type: none"> <li>• 186GB HBM3E</li> <li>• Memory bandwidth up to 8TB/s</li> </ul>   |
| <b>Expansion Slots</b> | 1 x liquid-cooled FHHL x16 (Gen5 x16), for DPUs<br>1 x FHHL x16 (Gen5 x16)  |
| <b>Storage</b>         | Front: 8 x liquid-cooled 2.5" Gen5 NVMe<br>Optional front: 4 x liquid-cooled 2.5" Gen5 NVMe<br>Internal M.2: 1 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4   |

| Specifications        |  |
|-----------------------|--|
| Networking            | 4 x 800 Gb/s liquid-cooled OSFP InfiniBand XDR or dual 400 Gb/s Ethernet GPU networking ports via NVIDIA ConnectX®-8 SuperNIC™<br>1 x 1 Gb/s LAN (1 x Intel® I210-AT), Supports NCSI   |
| Graphics              | Integrated in ASPEED® AST2600  |
| I/O Ports             | <p>Front:</p> <ul style="list-style-type: none"> <li>• 1 x Power button with LED</li> <li>• 1 x ID button with LED</li> <li>• 1 x Reset button</li> <li>• 12 x Storage activity LEDs</li> </ul> <p>Rear:</p> <ul style="list-style-type: none"> <li>• 4 x OSFP</li> <li>• 1 x USB 3.2 Gen1</li> <li>• 1 x Micro USB</li> <li>• 1 x Mini-DP</li> <li>• 1 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 BMC reset button</li> <li>• 1 x System status LED</li> <li>• 1 x NVLink status LED</li> </ul> |
| Power Supply          | 4 x 3200W 80 PLUS Titanium redundant power supplies  |
| Cooling               | 1 x 40x40x56mm System Fans   |
| Operating Environment | <p>Operating temperature: 10°C to 35°C</p> <p>Operating humidity: 8% to 80% (non-condensing)</p> <p>Non-operating temperature: -40°C to 60°C</p> <p>Non-operating humidity: 20% to 95% (non-condensing)</p>  |

