

# AceleMax® AXG-2164IB

2U DP Intel® Xeon® 6 CPU 4x PCIe GPU server



## Features

- Supports up to 4 x dual-slot Gen5 GPUs
  - 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
  - 4 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition
- NVIDIA MGX™ modular server design
- Dual Intel® Xeon® 6900E+/6900-Series Processors
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 24 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X550-AT2
- 6 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x2
- 4 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 2 x FHFL PCIe x16 slots with Gen5 x16 lanes for NICs
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes for DPUs
- 3+1 2000W 80 PLUS Titanium redundant power supplies

## Applications

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

Specifications	
<b>Dimensions</b>	438mm x 87mm x 900mm (2U) 17.2" x 3.4" x 35.4"
<b>Processor Support</b>	Intel® Xeon® 6+ Processors <ul style="list-style-type: none"> <li>• Intel® Xeon® 6900E+ Processors</li> </ul> Intel® Xeon® 6 Processors <ul style="list-style-type: none"> <li>• Intel® Xeon® 6900-Series Processors</li> </ul> Dual processors, TDP up to 500W
<b>Socket</b>	2 x LGA 7529 (Socket BR)
<b>Chipset</b>	System on Chip
<b>GPU</b>	Up to 4x NVIDIA® H200 NVL or NVIDIA RTX PRO™ 6000 Blackwell Server Edition
<b>Memory</b>	24 x DIMM slots 12-Channel memory per processor Support DDR5 RDIMM/MRDIMM Intel Xeon 6900E+: <ul style="list-style-type: none"> <li>• 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 FHFL x16 (Gen5 x16), for GPUs 1 x FHFL x16 (Gen5 x16), for DPUs 2 x FHFL x16 (Gen5 x16), for NICs
<b>Storage</b>	Front hot-swap: 6 x 2.5" Gen5 NVMe/SATA/SAS-4 Internal M.2: 2 x M.2 (2280/22110), PCIe Gen5 x2

Specifications	
Networking	2 x 10 Gb/s LAN (1 x Intel® X550-AT2), Support NCSI
Graphics	Integrated in ASPEED® AST2600
I/O Ports	Front: <ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1 (Type-A)</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> Rear: <ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1 (Type-A)</li> <li>• 1 x Mini-DP</li> <li>• 2 x RJ45</li> <li>• 1 x MLAN</li> <li>• 1 x ID LED</li> </ul>
Power Supply	3+1 2000W 80 PLUS Titanium redundant power supplies
Cooling	4 x 80x80x80mm 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)

