

AceleMax® AXG-428I3

4U Dual Socket Intel® Xeon® 6 Processor Server with up to 8 PCIe GPUs



Features

- NVIDIA MGX™ 4U AI Server, up to 8 x dual-slot GPUs (NVIDIA L40S, H200 NVL, RTX PRO™ 6000 Blackwell Server Edition)
- Dual Socket Intel® Xeon® 6 Processors
- NVIDIA® NVLink® Bridge support
- Up to 5 x PCIe5.0 x16 slot for NICs
- Up to 8 x E1.S SSD

Applications

- NVIDIA AI Enterprise
- Generative AI and AI Training
- High Performance Compute

Specifications

Chassis Form Factor	• MGX 4U
Number of Processors	• 2
Processor Type	• Dual Socket Intel® Xeon® 6 Processors
Max. TDP Support	• Up to 350W
GPU Support	• Up to 8pcs Double Width GPUs (up to 600W) or 16pcs Single width GPUs (up to 300W)
Total Memory Slots	• 32
Memory Type	• 1DPC: DDR5 RDIMM up to 5200 MT/s • 2DPC: DDR5 RDIMM up to 4400 MT/s
DIMM Capacity (GB per DIMM)	• 32GB, 64GB, 128GB
Expansion Slots	• 8 x PCIe 5.0 x16 (DS FHFL): For H200NVL or B100 NVL with 4-way Nvlink bridge Or switch to 16 x PCIe 5.0 x8 (Single width FHFL) : For 150W-180W accelerating card (PCIe Switch board) : 8pcs x16 slot & 8pcs x8 slots interlace • 5 x PCIe 5.0 x16 (SS FHFL): For BF3 & CX-7 card
Storage Bays	• 8 x E1.S NVME backplane (4 pcs E1.S Supported from BF3)
Onboard Storage Bays	• 2 x M.2 22110 / 2280 PCIe x4
Management	• DC-SCI BMC Management (ASpeed / AST2600 as BMC hardware solution)
Security	• TPM 2.0 module (Infineon SLB 9670) • PROT ((Platform Root of Trust) 4.0 module (ASpeed / AST1060 is as hardware solution)
Networking Interface	• 1 x IPMI RJ-45, No On-board LAN to support share-LAN through NC-SI
Front I/O Ports	• 1 x Mini Display Port • 1 x USB 3.2 Gen 1 (5Gbps) • 1 x Micro-USB (For UART Debug) • 1 x Power Button • 1 x UID button with LED • 1 x Status LED
OS Support	• Red Hat Enterprise Linux 9.2 or later • Ubuntu 22.04 LTS

Specifications	
Power Supply	• 3+1 x 2700W Titanium CRPS
Operating Environment	• Ambient operating temperature range: 5°C to +35 °C • Ambient Non-operating temperature: -40°C to +68 °C • Operating relative humidity: 10% to 90%, noncondensing • Non-operating relative humidity: up to 93%, noncondensing
Chassis Dimension	• 440mm (W) x 176mm (H) x 800mm (D) / 17.3" (W) x 6.9" (H) x 31.5" (D)

