

AceleMax® AXG-AR222

2U NVIDIA GH200 Grace Hopper Superchip MGX Server



Features

- Equipped with Nvidia GH200 Grace Hopper Superchip, up to 1000W TDP
- Combined with Nvidia BlueField-3 DPU (Data Processing Unit) enables software-defined, hardware-accelerated cloud infrastructure.
- Support 2 x Nvidia L40 (FHFL dual-slot, up to 300W) or L4 (LP, up to 75W)
- Up to 480GB of LPDDR5X memory with error-correction code (ECC)

Applications

- Datacenter HPC Inference
- GenAI Inference
- Omniverse

Specifications

Form Factor	• MGX 2U
Processor	• Number of Processors: 1 • Processor Type: NVIDIA 72-core Grace CPU on GH200 Grace Hopper™ Superchip • Max. 1000W TDP Superchip (Air Cooled)
GPU	• H100 Tensor Core GPU on GH200 Grace Hopper™ Superchip (Air-cooled)
Memory	• Total Slots: Onboard Memory • Memory Type: LPDDR5X • DIMM Capacity (GB per DIMM) : Up to 480GB ECC LPDDR5X • Additional GPU Memory : Up to 144GB ECC HBM3
Expansion Slots	SKU -#1 • 1 x PCIe 5.0 x16 (FHFL, 1RU Type 1 Long, Front right-hand Top side): For ConnectX-7 200G or BlueField3 200G Card • 1 x PCIe 5.0 x16 (FHHL, 2RU Type 1 Short, Front middle side), with Broadcom MegaRAID 9500-16i • 1 x PCIe 5.0 x16 (FHFL, 1RU Type 1 Long, Front right-hand Down side) SKU -#2 • 1 x PCIe 5.0 x16 (FHFL, 1RU Type 1 Long, Front right-hand Top side): For ConnectX-7 200G or BlueField3 200G Card • 1 x PCIe 5.0 x16 (FHFL, 1RU Type 1 Long, Front right-hand Down side)
Storage Bays	SKU -#1 • Up to 4 x 2.5" PCIe 4.0 NVMe SSD through Broadcom MegaRAID 9500-16i support RAID function SKU -#2 • 2 x 2.5" PCIe 4.0 NVMe SSD
Onboard Storage	• 2 x M.2 PCIe 4.0 NVMe (Onboard; for OS usage)
Management	• Aspeed® AST2600 management controller
Networking Interface	• NIC card options

Specifications	
Front I/O Ports	• 1 x Mini Display Port • 1 x RJ45 Management Port • 1 x COM Port (Micro USB type-B) • 1 x Reset button • 1 x ID button/LED • 1 x Power button with LED
Rear I/O Ports	• n/a
OS Support	• Ubuntu 22.04 LTS
Power Supply	• 1+1 2000W Titanium CRPS
Fans	• 6 x 6056 Fans
Operating Environment	• Operating temperature: 5°C to 35°C • Operating humidity: 10%-90% (non-condensing) • Non-operating temperature: -40°C to 70°C • Non-operating humidity: -55%-85% (non-condensing)
Chassis Dimension (W x H x D)	• 17.2" x 3.46" x 35.4" / 438mm x 88mm x 900mm

