

AceleMax[®] AXG-AR222

2U NVIDIA GH200 Grace Hopper Superchip MGX Server



Features

- Equipped with Nvidia GH200 Grace Hopper Superchip, GH200 HBM3 96GB & HBM3e 144GB up to 1000W TDP
- Coherent memory between CPU and GPU with NVLink[®]- C2C interconnect
- Up to 480GB of LPDDR5X memory with error-correction code (ECC)
- Optimized for memory intensive inference and HPC performance
- Support up to 4x U.2 NVMe SSDs
- Combined with Nvidia BlueField-3 DPU (Data Processing Unit) enables software-defined, hardware-accelerated cloud infrastructure
- Support 2 x Nvidia L40/L40S (FHFL dual-slot, up to 300W) or L4 (LP, up to 75W)

Applications

- Datacenter HPC Inference
- Generative AI Inference
- Omniverse
- Small to middle model training

Specifications	
Form Factor	• MGX 2U
Processor	• Number of Processors: 1 • Processor Type: NVIDIA 72-core NVIDIA Grace CPU on GH200 Grace Hopper™ Superchip • Max. TDP Support: 1000W TDP Superchip (Air Cooled)
GPU	• NVIDIA: H100 Tensor Core GPU on GH200 Grace Hopper™ Superchip (Air-cooled)
Memory	• Total Slots: Onboard Memory • Memory Type: LPDDR5X • DIMM Capacity: Up to 480GB ECC LPDDR5X • (GB per DIMM): Additional GPU Memory: Up to 144GB ECC HBM3
Drive Bays Configuration	• Default: Total 10 bays: - 10 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
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)

Specifications	
Security	<ul style="list-style-type: none"> • 1 x TPM 2.0
Networking Interface	<ul style="list-style-type: none"> • NIC card options
Front I/O Ports	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • n/a
OS Support	<ul style="list-style-type: none"> • Ubuntu 22.04 LTS
Power Supply	<ul style="list-style-type: none"> • 1+1 2000W Titanium CRPS
Fans	<ul style="list-style-type: none"> • 6 x 6056 Fans
Operating Environment	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 17.2" x 3.46" x 35.4" / 438mm x 88mm x 900mm

