

AceleMax® AXG-2242AO

20U 2-Socket AMD EPYC 9005 4x NVIDIA H200 SXM5 GPU Liquid Cool Server



Features

- 20U, 2-Socket AMD EPYC™ 9005 GPU server, accelerated by NVIDIA HGX™ H200 4-GPU. Build for Supreme Performance and Eco-friendly with Liquid cooling solution
- Cold-plate liquid cooling for CPU and GPU
- NVIDIA HGX™ H200 with 4x SXM GPUs
- Dual AMD EPYC™ 9005 series processor (192+192 Cores), up to 500W TDP
- 24x DDR5 DIMM slots (1DPC), up to 6400 MT/s
- 8x E3.S NVMe SSD + 2x E1.S NVMe SSD
- 4x PCIe 5.0 OCP 3.0 NIC + 2x PCIe 5.0 expansion slots
- Support DC-SCM 2.0 VFF module
- OCP ORv3 20U chassis with ORv3 busbar clip (for 48VDC)

Applications

- Highest Compute Performance HPC & AI
- AI Training, Inference
- Scientific Research
- Data Analytics

Specifications

Form Factor • 20U

Per Node Specifications

Processor

- Number of Processors: 2
- Processor Type: AMD EPYC™ 9005 series processors
- Max. TDP Support: 500W

GPU • NVIDIA HGX™ H200 4-GPU

Memory

- Total Slots: 24
- Memory Type: 1DPC: DDR5 RDIMM up to 6400 MT/s
- DIMM Capacity (GB per DIMM) : 64GB, 96GB, 128GB

Expansion Slots

- 2 x OCP 3.0 NIC x16
- 2 x OCP 3.0 NIC x8
- 2 x PCIe 5.0 x16 (HHHL)

Storage Bays

- 2 x E1.S NVMe SSD (support hardware RAID 1 for OS)
- 8 x E3.S 1T NVMe SSD

Management • Aspeed® AST2600

Networking Interface

- 4 x OCP 3.0 NIC
- 1 x BMC management RJ45 (DC-SCM)
- 2 x RJ45 1GbE LAN (DC-SCM)

Front I/O Ports

- DC-SCM 2.0-like module (AST 2600)
- 1 x BMC management RJ45
- 2 x RJ45 1GbE LAN
- 1 x Micro USB
- 1 x USB 2.0 Type-C
- 1 x Mini display port
- 1 x Power button LED
- 1 x UID button LED
- 1 x BMC reset button
- 1 x System status button

Specifications

OS Support	• Ubuntu 22.04 LTS and above • RHEL 8.6 and above • VMware ESXi8.0 • Linux Enterprise Server (SLES): 15 SP5 and above • Windows Server 2022
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Other Specifications per System/Chassis

Power Supply	• ORv3 48VDC Busbar
Fans	• 2 x 9256 Fan + Direct Liquid Cooling
Operating Environment	• Operating Temperature: 0°C to 40°C • Storage temperature range: -40°C to 68 °C • Operating and Storage relative humidity: 10% to 90%, non-condensing
Chassis Dimension (W x H x D)	• 21.1" (W) x 3.7" (H) x 31.9" (D) / • 537mm (W) x 93.5mm (H) x 809.25mm (D)

