

AceleMax® AXG-828GS

8U Dual Socket AMD EPYC™ 9004 Series Processors 8x NVIDIA H100 SXM5 GPU Server



Features

- Highest GPU communication using NVIDIA® NVLINK™ + NVIDIA® NVSwitch™
- 8 NIC for GPU direct RDMA (1:1 GPU Ratio); High density 8U system with NVIDIA® HGX™ H100 8-GPU
- 24 DIMM Slots; Up to 6TB DRAM; 4800 ECC DDR5 LRDIMM RDIMM
- 8 PCIe Gen 5.0 X16 LP, and up to 4 PCIe Gen 5.0 X16 FHFL Slots; Flexible networking options
- 1 M.2 NVMe for boot drive only; up to 16x 2.5" Hot-swap NVMe drive bays (12 by default + 4 optional); 2x 2.5" Hot-swap SATA drive bays
- 10 heavy duty fans with optimal fan speed control

Specifications

Processor	<ul style="list-style-type: none"> • Dual Socket SP5 • AMD EPYC™ 9004 Series Processors (the latest AMD EPYC™ 9004 Series Processor with AMD 3D V-Cache™ Technology) • Up to 128C/256T • Supports up to 400W TDP CPUs (Air Cooled)
GPU	<ul style="list-style-type: none"> • Supported GPU: HGX H100 8-GPU SXM5 Multi-GPU Board • CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect • GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
Memory	<ul style="list-style-type: none"> • Memory Capacity: 24 DIMM slots • Up to 6TB: 24x 256 GB DRAM • Memory Type: 4800MHz ECC DDR5 RDIMM/LRDIMM
Drive Bays	<ul style="list-style-type: none"> • 18x 2.5" hot-swap NVMe/SATA drive bays (16x 2.5" NVMe dedicated) • 1 M.2 NVMe
Expansion Slots	<ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slot(s) • 2 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	<ul style="list-style-type: none"> • Chipset: AMD SP5
Input/Output	<ul style="list-style-type: none"> • Video: 1 VGA port(s)
Fans	<ul style="list-style-type: none"> • 10 heavy duty fan(s)
Power Supply	<ul style="list-style-type: none"> • 6x 3000W Redundant Titanium Level power supplies
System BIOS	<ul style="list-style-type: none"> • BIOS Type: AMI 32MB SPI Flash EEPROM
Operating Environment	<ul style="list-style-type: none"> • Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) • Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)
Dimensions	<ul style="list-style-type: none"> • Height: 14" (355.6 mm) Width: 17.2" (437 mm) • Depth: 33.2" (843.28 mm)

