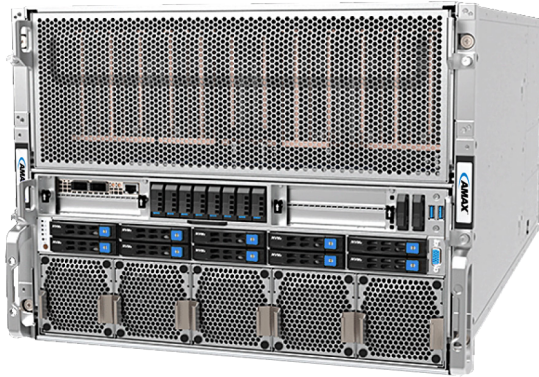


AceMax® AXG-828AM

8U Dual Socket AMD EPYC 9004/9005 Series Processors 8x AMD Instinct™ MI325X Accelerators Server



Features

- Industry-standard OCP accelerator module (OAM) with 8 GPUs interconnected on an AMD universal base board (UBB 2.0)
- Industry-leading 2 TB of HBM3E memory in a single server node
- 400-Gbps networking dedicated to each GPU for large-scale AI clusters
- 2-socket design supports 4th and 5th Gen AMD EPYC™ Processors
- Up to 24 DIMMs for up to 9 TB of DDR5-6000 memory (with 5th Gen AMD EPYC processors)
- Flexible PCIe 5.0 options for I/O and networking
- Titanium-Level efficiency power supplies

Specifications	
Form Factor	<ul style="list-style-type: none"> • 8U Rackmount
Processor Support	<ul style="list-style-type: none"> • Dual SP5 sockets for AMD EPYC™ 9004 Series processors up to 400W or AMD EPYC 9005 Series processors up to 500W (two CPUs required) • Up to 128 cores (EPYC 9004 Series) or 192 cores (EPYC 9005 Series) per CPU
GPU Support	<ul style="list-style-type: none"> • AMD Instinct MI325X Platform with 8 MI325X OAM GPUs
Memory Slots & Capacity	<ul style="list-style-type: none"> • 12-channel DDR5 memory support • 24 DIMM slots for up to 6 TB ECC DDR5-4800 RDIMM (with EPYC 9004 Series) • 24 DIMM slots for up to 9 TB ECC DDR5-6000 RDIMM (with EPYC 9004 Series)
On-Board Devices	<ul style="list-style-type: none"> • System on Chip • Hardware Root of Trust • IMPI 2.0 with virtual-media-over-LAN and KVM-over-LAN support • ASPEED AST2600 BMC graphics
Expansion Slots	<ul style="list-style-type: none"> • 8 PCIe 5.0 x16 low-profile slots connected to GPU via PCIe switch • 2 PCIe 5.0 x16 full-height full-length slots • Optional 2 PCIe 5.0 x16 slots via expansion kit
Storage	<ul style="list-style-type: none"> • 12 PCIe 5.0 x4 NVMe U.2 drives • 4 PCIe 5.0 x4 NVMe U.2 drives (optional) • 1 M.2 NVMe/SATA boot drive • 2 hot-swap 2.5" SATA drives
I/O Ports	<ul style="list-style-type: none"> • 1 RJ45 Dedicated IPMI LAN port • 2 USB 3.0 Ports (rear) • 1 VGA Connector
BIOS	<ul style="list-style-type: none"> • AMI Code Base 256 Mb (32 MB) SPI EEPROM
System Management	<ul style="list-style-type: none"> • Built-in server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port • Redfish APIs • AMAX Composer • AMAX Server Manager (ASM) and AMAX Update Manager (AUM)
System Cooling	<ul style="list-style-type: none"> • Dual-zone cooling optimized for performance and operational costs with 5 front and 5 rear counter-rotating fans with optimal speed control
Power Supplies	<ul style="list-style-type: none"> • 6x or 8x 3000W N+N redundant Titanium-Level power supplies

