

AceleMax® AXG-4208AE

4U Dual Socket AMD EPYC™ 9004/9005 Series Processors Server with Up to 8 PCIe Direct-Connect GPUs



Features

- Flexible GPU support: active & passive GPUs
- Up to 8 direct attached double width, full length GPUs
- 8 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control
- Dual-Socket, AMD EPYC™ 9004/9005 Series Processors
- 24 DIMM Slots, up to 6TB DDR5 memory
- Up to 4 Hot-swap 2.5" NVMe drive bays 1 M.2 Slot

Applications

- AI / Deep Learning, and High Performance Computing

Specifications

Form Factor	<ul style="list-style-type: none"> • 4U Rackmount • Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") • Package: 685 x 675 x 1041mm (27" x 26.57" x 41")
Processor	<ul style="list-style-type: none"> • Dual processor(s) • AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) • Up to 160C/320T
GPU	<ul style="list-style-type: none"> • Max GPU Count: Up to 8 double-width GPUs • Supported GPU: <ul style="list-style-type: none"> - NVIDIA PCIe: H100 NVL, H100, RTX 4000 SFF Ada Generation, L40, RTX A5500, RTX A4000, RTX 6000, RTX 5000, L40S, A40, A30, A100 - AMD PCIe: Instinct MI210 - CPU-GPU Interconnect: Direct Attached - GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)
System Memory	<ul style="list-style-type: none"> • Slot Count: 24 DIMM slots • Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM/LRDIMM (AMD EPYC™ 9004 Series Processor) • Max Memory (1DPC): Up to 9.2TB 5200MT/s ECC DDR5 RDIMM/LRDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	<p>Default: Total 6 bays</p> <ul style="list-style-type: none"> • 2 front hot-swap 2.5" SATA drive bays • 4 front hot-swap 2.5" NVMe drive bays M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)
Expansion Slots	<p>Default:</p> <ul style="list-style-type: none"> • 9 PCIe 5.0 x16 FHFL slots
On-Board Devices	<ul style="list-style-type: none"> • SATA: SATA (6Gbps) • Chipset: AMD SP5 • Network Connectivity: 2 RJ45 10GbE
Input / Output	<ul style="list-style-type: none"> • LAN: 1 RJ45 1 GbE Dedicated BMC LAN port, 2 RJ45 10 GBASE-T LAN ports • USB: 2 ports(rear) • Video: 1 VGA port • Serial: 1 COM port(Rear)

Specifications	
System Cooling	<ul style="list-style-type: none"> • Fans: 8 heavy duty fans with optimal fan speed control
Power Supply	<ul style="list-style-type: none"> • 4x 2000W Redundant Titanium Level (96%) power supplies
System BIOS	<ul style="list-style-type: none"> • BIOS Type: AMI 32MB SPI Flash EEPROM
Management	<ul style="list-style-type: none"> • AMAX Cloud Composer; AMAX Server Manager (ASM) • AMAX Update Manager (AUM) • AMAX Doctor® 5 (AD5) • AMAX Diagnostics Offline (ADO) • AMAX Thin-Agent Service (AAS) • AMAX Server Automation Assistant (AAA) New!
PC Health Monitoring	<ul style="list-style-type: none"> • CPU: Monitors for CPU Cores, Chipset Voltages, Memory <ul style="list-style-type: none"> - 7 +1 Phase-switching voltage regulator • FAN: Fans with tachometer monitoring <ul style="list-style-type: none"> - Status monitor for speed control - Pulse Width Modulated (PWM) fan connectors • Temperature: Monitoring for CPU and chassis environment <ul style="list-style-type: none"> - Thermal Control for fan connectors
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)

