

AceleMax® AXG-4110AE

4U Single Socket AMD EPYC™ 9004/9005 Series Processor Single-Root PCIe GPU Server with Up to 10 PCIe GPUs



Features

- Flexible GPU support: active & passive GPUs
- Single Root Configuration with PCIe Switch for up to 10 double width, full length GPUs
- 8 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control
- Single AMD EPYC™ 9004/9005 Series Processor
- 12 DIMM Slots, up to 3TB DDR5 memory
- Up to 8 Hot-swap 2.5" NVMe drive bays
- AIOM / OCP 3.0 Support

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"> • Single 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 10 double-width or 10 single-width GPUs • Supported GPU: NVIDIA PCIe: H100, L40, RTX 6000 Ada Generation, L40S, A100 • AMD PCIe: Instinct MI210 • CPU-GPU Interconnect: PCIe 5.0 x16 Switch Single-Root • GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)
System Memory	<ul style="list-style-type: none"> • Slot Count: 12 DIMM slots • Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM/LRDIMM (AMD EPYC™ 9004 Series Processor) • Max Memory (1DPC): Up to 4.6TB 5200MT/s ECC DDR5 RDIMM/LRDIMM (AMD EPYC™ 9005 Series Processor)
Drive Bays Configuration	<p>Default: Total 10 bays</p> <ul style="list-style-type: none"> • 8 front hot-swap 2.5" NVMe drive bays • 2 front hot-swap 2.5" SATA drive bays
Expansion Slots	<p>Default:</p> <ul style="list-style-type: none"> • 11 PCIe 5.0 x16 (in 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 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)

