

# AceleMax® AXG-5210AE

## 5U Dual Socket AMD EPYC™ 9005/9004 Series Processors Server with 10 PCIe GPUs via PLX Switch



### Features

- Dual processor(s) AMD EPYC™ 9005 Series Processors up to 500W with air cooling
- Support for up to 10 double-width PCIe GPU accelerator cards
- Up to 24 DIMMs supporting up to 9TB DDR5-6000 in 1DPC
- Flexible networking with up to AIOM slots
- Up to 13 PCIe 5.0 x16 FHFL slots
- Up to 2 front hot-swap 2.5" SATA + 8 front hot-swap 2.5" NVMe drive bays
- 4x 2700W Redundant (3 + 1) Titanium Level (96%) power supplies

### Applications

- AI / Deep Learning, 3D Rendering Farm, Visualization / Simulation, High Performance Computing, Multimedia/Digital Content creation

### Specifications

Form Factor	<ul style="list-style-type: none"> <li>• 5U Rackmount</li> <li>• Enclosure: 437 x 222.5 x 737mm (17.2" x 8.75" x 29")</li> <li>• Package: 720 x 440 x 1080mm (28.34" x 17.32" x 42.51")</li> </ul>
Processor	<ul style="list-style-type: none"> <li>• Dual processor(s)</li> <li>• AMD EPYC™ 9005/9004 Series Processors</li> <li>• Up to 192C/384T</li> </ul>
GPU	<ul style="list-style-type: none"> <li>• Max GPU Count: Up to 10 double-width GPUs</li> <li>• Supported GPU: NVIDIA PCIe: H100 NVL, H200 NVL (141GB), L40S</li> <li>• CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root</li> <li>• GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional), AMD Infinity Fabric™ Link (optional)</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>• Slot Count: 24 DIMM slots</li> <li>• Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM/LRDIMM</li> </ul>
Drive Bays Configuration	<p>Default: Total 10 bays</p> <ul style="list-style-type: none"> <li>• 2 front hot-swap 2.5" SATA drive bays</li> <li>• 8 front hot-swap 2.5" NVMe drive bays</li> </ul> <p>M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)</p>
Expansion Slots	<p>Default:</p> <ul style="list-style-type: none"> <li>• 11 PCIe 5.0 x16 FHFL slots</li> </ul> <p>Option A:</p> <ul style="list-style-type: none"> <li>• 13 PCIe 5.0 x16 FHFL slots</li> </ul>
On-Board Devices	<ul style="list-style-type: none"> <li>• SATA: SATA (6Gbps)</li> <li>• Chipset: System on Chip</li> <li>• Network Connectivity: 2 RJ45 10GbE</li> </ul>
Input / Output	<p>LAN:</p> <ul style="list-style-type: none"> <li>• 1 RJ45 1 GbE Dedicated BMC LAN port</li> <li>• 2 RJ45 10 GBASE-T LAN ports</li> </ul> <p>USB: 2 ports(rear)</p> <p>Video: 1 VGA port</p>

Specifications	
System Cooling	<ul style="list-style-type: none"> <li>Fans: 10 heavy duty fans with optimal fan speed control</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>4x 2700W Redundant (3 + 1) Titanium Level (96%) power supplies</li> </ul>
System BIOS	<ul style="list-style-type: none"> <li>BIOS Type: AMI 64MB SPI Flash EEPROM</li> </ul>
Management	<ul style="list-style-type: none"> <li>AMAX Cloud Composer</li> <li>AMAX Server Manager (ASM)</li> <li>AMAX Update Manager (AUM)</li> <li>AMAX Diagnostics Offline (ADO)</li> <li>AMAX Thin-Agent Service (AAS)</li> <li>AMAX Server Automation Assistant (AAA) New!</li> </ul>
PC Health Monitoring	<ul style="list-style-type: none"> <li>CPU: Monitors for CPU Cores, Chipset Voltages, Memory               <ul style="list-style-type: none"> <li>- 7 +1 Phase-switching voltage regulator</li> </ul> </li> <li>FAN: Fans with tachometer monitoring               <ul style="list-style-type: none"> <li>- Status monitor for speed control</li> <li>- Pulse Width Modulated (PWM) fan connectors</li> </ul> </li> <li>Temperature: Monitoring for CPU and chassis environment               <ul style="list-style-type: none"> <li>- Thermal Control for fan connectors</li> </ul> </li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</li> <li>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

