

AceleMax® AXG-5210IB

5U Dual Socket Intel Xeon 6900P Processors 10x Dual Root PCIe GPU Server



Features

- Support for up to 10 double-width PCIe GPU accelerator cards
- Flexible networking with up to AIOM slots
- Up to 13 PCIe 5.0 x16 FHFL slots
- 16 front hot-swap 2.5" NVMe + 8 front hot-swap 2.5" NVMe for Storage RDMA

Applications

- High Performance Computing, VDI, AI/Deep Learning Training, Media/Video Streaming, Cloud Gaming, Animation and Modeling, Design & Visualization, 3D Rendering, Diagnostic Imaging

Specifications

Form Factor	<ul style="list-style-type: none"> • 5U Rackmount • Enclosure: 437 x 222.5 x 737mm (17.2" x 8.75" x 29") • Package: 720 x 440 x 1080mm (28.34" x 17.32" x 42.51")
Processor	<ul style="list-style-type: none"> • Dual Socket BR (LGA-7529) • Intel® Xeon® 6900 series processors with P-cores • Up to 128C/256T; Up to 504MB Cache per CPU
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 NVL, L40S, L4 • CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root • GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional)
System Memory	<ul style="list-style-type: none"> • Slot Count: 24 DIMM slots • Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM • Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM
Drive Bays Configuration	<ul style="list-style-type: none"> • Default: Total 24 bays: - 24 front hot-swap 2.5" PCIe 5.0 NVMe drive bays • M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	<ul style="list-style-type: none"> • Default: • 13 PCIe 5.0 x16 FHFL slots
On-Board Devices	<ul style="list-style-type: none"> • Chipset: System on Chip • Network Connectivity: 2 RJ45 10GbE with Intel® X710-AT2
Input / Output	<ul style="list-style-type: none"> • LAN: 2 RJ45 10 GbE LAN ports (Intel® I350) • USB: 2 USB 3.0 Type-A ports (Rear) • Video: 1 VGA port
System Cooling	<ul style="list-style-type: none"> • Fans: 10 heavy duty fans with optimal fan speed control • Air Shroud: 1 Air Shroud • Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)

Specifications	
Power Supply	<ul style="list-style-type: none">• 6x 2700W 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 Diagnostics Offline (ADO); AMAX Thin-Agent Service (TAS); 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">- 8+4 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)

