

# 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"> <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 Socket BR (LGA-7529)</li> <li>• Intel® Xeon® 6900 series processors with P-cores</li> <li>• Up to 128C/256T; Up to 504MB Cache per CPU</li> </ul>
GPU	<ul style="list-style-type: none"> <li>• Max GPU Count: Up to 10 double-width or 10 single-width GPUs</li> <li>• Supported GPU: NVIDIA PCIe: H100 NVL, L40S, L4</li> <li>• CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root</li> <li>• GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional)</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>• Slot Count: 24 DIMM slots</li> <li>• Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM</li> <li>• Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM</li> </ul>
Drive Bays Configuration	<ul style="list-style-type: none"> <li>• Default: Total 24 bays:</li> <li>- 24 front hot-swap 2.5" PCIe 5.0 NVMe drive bays</li> <li>• M.2: 2 M.2 NVMe slots (M-key)</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>Default:</li> <li>• 13 PCIe 5.0 x16 FHFL slots</li> </ul>
On-Board Devices	<ul style="list-style-type: none"> <li>• Chipset: System on Chip</li> <li>• Network Connectivity: 2 RJ45 10GbE with Intel® X710-AT2</li> </ul>
Input / Output	<ul style="list-style-type: none"> <li>• LAN: 2 RJ45 10 GbE LAN ports (Intel® I350)</li> <li>• USB: 2 USB 3.0 Type-A ports (Rear)</li> <li>• Video: 1 VGA port</li> </ul>
System Cooling	<ul style="list-style-type: none"> <li>• Fans: 10 heavy duty fans with optimal fan speed control</li> <li>• Air Shroud: 1 Air Shroud</li> <li>• Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)</li> </ul>

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Power Supply	<ul style="list-style-type: none"><li>• 6x 2700W Redundant Titanium Level (96%) power supplies</li></ul>
System BIOS	<ul style="list-style-type: none"><li>• BIOS Type: AMI 32MB SPI Flash EEPROM</li></ul>
Management	<ul style="list-style-type: none"><li>• AMAX Cloud Composer; AMAX Server Manager (ASM); AMAX Diagnostics Offline (ADO); AMAX Thin-Agent Service (TAS); 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>- 8+4 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>

