

# AceleMax® AXG-728AS

## 7U DP AMD EPYC CPU WITH 8x NVIDIA H100/H200 GPU Server



### Features

- AMD EPYC 9005, 9004 Series Processors
- PCIe 5.0 Ready
- Powerful Performance
- Enhanced IT-infrastructure management

### Applications

- High Performance Computing
- Generative AI
- Deep Learning/Machine Learning
- Data Analysis
- Scientific Research

### Specifications

Processor Support	<ul style="list-style-type: none"> <li>• Dual Socket</li> <li>• AMD EPYC 9005, 9004 Series Processors</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• Total Slots: 24 (12 channel per CPU, 12 DIMM per CPU)</li> <li>• Capacity: Maximum up to 3TB per CPU socket</li> <li>• Memory Type: DDR5 4800 RDIMM/RDIMM 3DS</li> <li>• Memory Size: 128GB, 96gb, 64GB, 32GB, 16GB RDIMM, 128GB RDIMM 3DS</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>• Total PCI/PCI-X/PCI-E/PIKE Slots: 12</li> <li>• Slot Type: [PCIe Switch directly]</li> <li>- 8 x PCIe Gen5 x16 link (HHHL)</li> <li>[CPU directly]</li> <li>- 1 x PCIe Gen5 x16 link (FHHL)* + 1 x PCIe Gen5 x16 link (FHHL)*</li> <li>- 1 x PCIe Gen5 x8 link (FHHL) + 1 x PCIe Gen5 x8 link (FHHL)</li> <li>*Support PCIe x 16 link up to 150W</li> <li>• M.2: 2 x M.2 Gen5x4 (CPU1)</li> </ul>
Disk Controller	<ul style="list-style-type: none"> <li>• SATA/NVMe/SAS Controller (Rear 2 NVMe)</li> <li>Optional Kits: <ul style="list-style-type: none"> <li>-Broadcom MegaRAID 9560-16i</li> <li>-Broadcom RAID CARD 9540-8i</li> </ul> </li> </ul>
Storage Bays	<ul style="list-style-type: none"> <li>• I = internal: 10 x 2.5" hot-swap drive bays (8 NVMe, 2 NVMe/SATA/SAS*)</li> <li>• A or S will be hot-swappable: [PCIe Switch directly]</li> <li>- Front: 8 NVMe</li> <li>[CPU directly]</li> <li>- Rear: 2 NVMe(CPU1)/SATA*/SAS*</li> <li>*SATA/SAS support required an HBA/RAID card</li> </ul>
Networking	<p>LAN:</p> <ul style="list-style-type: none"> <li>• 2 x 10 Gigabit LAN ports (Intel X710-AT2 Controller)</li> <li>• 1 x Management Port</li> </ul>
Graphic	<ul style="list-style-type: none"> <li>• VGA: Aspeed AST2600 64MB</li> </ul>

Specifications	
Front I/O Ports	<ul style="list-style-type: none"> <li>• 4 x USB3.2 Gen1 ports</li> <li>• 1 x VGA port</li> <li>• 2 x 10Gb RJ45 LAN module (Intel-x710 Based)</li> <li>• 1 x Mgmt LAN</li> <li>• 1 x locate button</li> <li>• 1 x power button</li> </ul>
Rear I/O	<ul style="list-style-type: none"> <li>• 1 x locate button</li> <li>• 1 x power button</li> </ul>
Switch/LED	<p>Front:</p> <ul style="list-style-type: none"> <li>• 1 x Power Button/LED</li> <li>• 1 x Location Button/LED</li> <li>• 1 x Message LED</li> <li>• 1 x Q-Code/Port 80 LED</li> </ul> <p>Rear:</p> <ul style="list-style-type: none"> <li>• 1 x Location LED</li> <li>• 1 x Power Button/LED</li> </ul>
OS Support	<ul style="list-style-type: none"> <li>• Windows Server</li> <li>• RedHat® Enterprise Linux</li> <li>• Rocky</li> <li>• Ubuntu</li> <li>• VMware</li> </ul>
Management Solution	<ul style="list-style-type: none"> <li>• Software: AMAX Control Center</li> <li>• Out of Band Remote Management: On-Board AB11-iKVM</li> </ul>
Power Supply (following different configuration by region)	<ul style="list-style-type: none"> <li>• 4+2 or 3+3 3000W 80 PLUS Titanium Power Supply</li> </ul>
Environment	<ul style="list-style-type: none"> <li>• Operation temperature: 10°C ~ 35°C</li> <li>• Non operation temperature: -40°C ~ 70°C</li> <li>• Non operation humidity: 20% ~ 90% (Non condensing)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 885mm x 447mm x 306.65mm</li> <li>• 34.8" x 17.6" x 12.07"</li> </ul>

