

AceleMax® AXG-8281IS

8U Dual Socket Intel Xeon 6900P Processors 8x NVIDIA HGX H200 GPU Server



Features

- Dual Intel® Xeon® 6900 series processors with P-cores, up to 500W TDP, 6UPI
- Support for up to 8 onboard SXM GPU accelerator cards
- 24 DIMM slots, ECC DDR5 designed for up to 6400MT/s (1DPC only)
- 2 10G NIC (X710), 1 VGA, 2 USB 3.0, and 1 Dedicated IPMI
- 8 PCIe 5.0 x16 LP and 2 PCIe 5.0 x16 FHHL
- 10 PCIe 5.0 NVMe U.2 and 2 NVMe M.2

Applications

- High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics

Specifications

Form Factor	<ul style="list-style-type: none"> • 8U Rackmount • Enclosure: 447 x 356 x 843mm (17.6" x 13.8" x 33.2") • Package: 1300 x 700 x 750mm (51" x 27.6" x 29.5")
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 8 onboard GPUs • Supported GPU: NVIDIA SXM: HGX H100 8-GPU (80GB), HGX H200 8-GPU (141GB) • CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect • GPU-GPU Interconnect: NVIDIA® NVLink® with NVSwitch™
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 10 bays: - 10 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	<ul style="list-style-type: none"> Default: • 8 PCIe 5.0 x16 LP slots • 2 PCIe 5.0 x16 FHHL 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"> • 1 VGA port
System Cooling	<ul style="list-style-type: none"> • Fans: 14 heavy duty fans with optimal fan speed control

Specifications	
Power Supply	<ul style="list-style-type: none">• 6x 5250W Redundant (3 + 3) Titanium (certification pending) 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• 8+4 Phase-switching voltage regulator• FAN: Fans with tachometer monitoring• Status monitor for speed control• Pulse Width Modulated (PWM) fan connectors• Temperature: Monitoring for CPU and chassis environment• 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)

