

AceleMax® AXG-828AS

DP AMD 8U System with NVIDIA HGX H100/H200 8-GPU



Features

- High density 8U system for NVIDIA® HGX™ H100/H200 8-GPU
- Highest GPU communication using NVIDIA® NVLINK™ + NVIDIA® NVSwitch™ 8 NIC for GPU direct RDMA (1:1 GPU Ratio)
- 24 DIMM slots DDR5; up to 6TB 4800MT/s ECC LRDIMM/RDIMM
- Up to 8 PCIe 5.0 x16 LP + 4 PCIe 5.0 x16 FHFL slots
- Flexible networking options
- 12 Hot-swap 2.5" NVMe drive bays + 2 hot-swap 2.5" SATA drive bays
- + 4 hot-swap 2.5" NVMe drive bays (optional)
- 1 M.2 NVMe for boot drive only

Applications

- High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Climate and Weather Modeling

Specifications

Form Factor	<ul style="list-style-type: none"> • 8U Rackmount • Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2") • Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")
Processor	<ul style="list-style-type: none"> • Dual processor(s) • AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) • Up to 128C/256T
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 4800MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	<p>Default: Total 18 bays</p> <ul style="list-style-type: none"> • 2 front hot-swap 2.5" SATA drive bays • 4 front hot-swap 2.5" NVMe* drive bays • 12 front hot-swap 2.5" NVMe drive bays <p>(*NVMe support may require additional storage controller and/or cables)</p> <ul style="list-style-type: none"> • M.2: 1 M.2 NVMe slot (M-key)
Expansion Slots	<p>Default</p> <ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slots • 2 PCIe 5.0 x16 FHFL slots <p>Option A</p> <ul style="list-style-type: none"> • 8 PCIe 5.0 x16 LP slots • 4 PCIe 5.0 x16 FHFL slots
On-Board Devices	<ul style="list-style-type: none"> • AMD SP5
Input / Output	<ul style="list-style-type: none"> • 1 VGA port

Specifications	
System Cooling	<ul style="list-style-type: none"> Fans: 10 heavy duty fans with optimal fan speed control
Power Supply	<ul style="list-style-type: none"> 6x 3000W 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 Composer AMAX Server Manager (ASM) AMAX Update Manager (AUM) AMAX Doctor 5 (AD5) AMAX Diagnostics Offline (ADO) AMAX Thin-Agent Service (AAS) 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"> - 7 +1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring <ul style="list-style-type: none"> - Status monitor for speed control 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)
Dimensions and Weight	<ul style="list-style-type: none"> Weight: Gross Weight: 225 lbs (102.1 kg) Net Weight: 166 lbs (75.3 kg) Available Color: Black front & silver body

