

AceleMax[®] AXG-828IB

8U DP 5th/4th Gen Intel[®] Xeon[®] with 8x NVIDIA HGX B200 GPUs



Features

- 1,800GB/s GPU-to-GPU bandwidth with NVIDIA[®] NVLink[™] and NVSwitch[™]
- Dual 5th/4th Gen Intel[®] Xeon[®] Scalable Processors
- Dual Intel[®] Xeon[®] CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- Compatible with NVIDIA[®] BlueField[®]-3 DPUs and ConnectX[®]-7 NICs

Applications

- AI Training
- AI Inference
- High-Performance Computing

Specifications

Form Factor	<ul style="list-style-type: none"> • 8U Rackmount • 447 x 351 x 920 (17.2" x 14" x 33.2")
Processor	<ul style="list-style-type: none"> • 5th Generation Intel[®] Xeon[®] Scalable Processors • 4th Generation Intel[®] Xeon[®] Scalable Processors • Intel[®] Xeon[®] CPU Max Series • Dual processor, TDP up to 350W
Socket	<ul style="list-style-type: none"> • 2 x LGA 4677 • Socket E
Chipset	<ul style="list-style-type: none"> • Intel[®] C741
GPU	<ul style="list-style-type: none"> • NVIDIA HGX[™] B200 with 8 x SXM GPUs
Memory	<ul style="list-style-type: none"> • 32 x DIMM slots • DDR5 memory supported • 8-Channel memory per processor • 5th Gen Intel[®] Xeon[®]: RDIMM: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) • 4th Gen Intel[®] Xeon[®]: RDIMM: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) • Intel[®] Xeon[®] Max Series: RDIMM: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)
Storage	<ul style="list-style-type: none"> • Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA • Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x2, from PCH 1 x M.2 (2280/22110), PCIe Gen3 x1, from PCH • SAS: N/A • RAID: Intel[®] SATA RAID 0/1/10/5

Specifications

Expansion Slots	<ul style="list-style-type: none"> • PCIe Bridge Board: <ul style="list-style-type: none"> - 8 x FHHL x16 (Gen5 x16) • PCIe Bridge Board x 2: <ul style="list-style-type: none"> - 4 x FHHL x16 (Gen5 x16)
Input/Output	<ul style="list-style-type: none"> • Front I/O board: <ul style="list-style-type: none"> - 2 x USB 3.2 Gen1 ports (Type-A) - 1 x VGA port - 2 x RJ45 ports - 1 x MLAN port (default) - 1 x Power button with LED - 1 x ID button with LED - 1 x NMI button - 1 x Reset button - 1 x Storage activity LED - 1 x System status LED • Rear I/O: <ul style="list-style-type: none"> MLAN board: <ul style="list-style-type: none"> - 1 x MLAN port • Backplane Board <ul style="list-style-type: none"> Speed and bandwidth: <ul style="list-style-type: none"> - PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/
LAN	<ul style="list-style-type: none"> • Front: <ul style="list-style-type: none"> 2 x 10Gb/s LAN - Support NCSI function 1 x 10/100/1000 Mbps Management LAN • Rear: <ul style="list-style-type: none"> 1 x 10/100/1000 Mbps Management LAN <p>Note: When both MLAN ports are connected with cables, the front MLAN port will be set as the default.</p>
Video	<ul style="list-style-type: none"> • Integrated in Aspeed® AST2600 <ul style="list-style-type: none"> - 1 x VGA port
Power Supply	<ul style="list-style-type: none"> 12 x 3000W 80 PLUS Titanium redundant power supplies
System Management	<ul style="list-style-type: none"> • Aspeed® AST2600 Baseboard Management Controller • AMAX Management Console web interface
Operating Properties	<ul style="list-style-type: none"> • Operating temperature: 10°C ~ 35°C • Operating humidity: 8%-80% (non-condensing) • Non-operating temperature: -40°C to 60°C • Non-operating humidity: 20%-95% (non-condensing)

