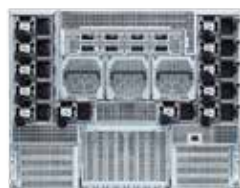




XN8160-B300

BUILT FOR THE AGE OF AI INFERENCE



Key Features

- NVIDIA HGX™ B300
- 8 x 800 Gb/s OSFP InfiniBand XDR / Dual 400 Gb/s Ethernet GPU networking ports via onboard NVIDIA ConnectX®-8 SuperNCTMTN™
- 1.8TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™ and NVSwitch™
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMS
- Dual ROM Architecture
- Compatible with NVIDIA® BlueField®-3 DPUs
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen5 x 4 and x 2 interface
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL PCIe Gen5 x16 slots
- 12 x 3000W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	8U(W447 x H351 x D923 MM)	PCIe Expansion Slots	4 x FHHL PCIe Gen5 x 16
Motherboard	MSB4-PE2	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45 1 x MLAN (default) Rear: 8 x OSFP, 1 x MLAN
CPU	Intel® Xeon® 6 Processors Intel® Xeon® 6700-Series Processors Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350W	TPM	1 x TPM header(SPI) Optional TPM2.0 kit: CTM012
Socket	2 x LGA 4710 (Socket E2)	Power Supply	12 x 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMS ^[1] [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s(2DPC) [MRDIMM] Up to 8000 MT/s	System Fans	Motherboard: 2 x 60 x 60 x 56mm/4 x 60 x 60 x 76mm OSFP ports: 4 x 40 x 40 x 56mm PCIe slots: 2 x 80 x 80 x 56mm GPU tray: 15 x 80 x 80 x 80mm
LAN	Front: 2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN Rear: 8 x 800 Gb/s OSFP InfiniBand XDR / Dual 400 Gb/s Ethernet for GPU networking 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating:10°C to 30°C 8% to 80%(non-condensing) Non-operating:-40°C to 60°C 20% to 95%(non-condensing)
Video	Integrated in ASPEED® AST2600-1xVGA port	Packaging Content	1 x G894-SD3-AAAX7 2 x CPU heatsinks 4 x Carriers 1 x L-shape Rail kit
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe Internal M.2: 1 x M.2 (2280/22110),PCIe Gen5 x4 1 x M.2 (2280/22110),PCIe Gen5 x2		
Modular GPU	NVIDIA HGX™B300 with 8 x SXM GPUS		