



XN8161-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
- 1 x M.2(2280/22110)
- 2 x RJ45 1G Base-T via Intel i350-AM2
- 12 x U.2 Hot-Swap

Specification

Dimensions	8U(W447 x H351 x D923 MM)
Motherboard	
CPU	Supports Intel® Xeon® 6700E/6700P Series Processors Dual Socket E E2 (LGA 4710) Max. TDP up to 350W
Socket	2 x LGA 4710
Chipset	
Memory	32 x DDR5 DIMM slots, up to 6400 MT/S
LAN	2 x 1GbE RJ45 1 x IPMI RJ45
Video	1 x VGA port
Storage	12 x 2.5" Hot-swap NVMe Internal Storage: 1 x M.2 2280/22110 NVMe
Modular GPU	NVIDIA HGX™ B300 8-GPU with NVIDIA NVSwitch™ GPU Memory: total 2.3TB HBM3e (8 x 288GB), TDP up to 1,100W

PCIe Expansion Slots 4 x PCIe 5.0 x 16 FHHL

I/O Ports	Front: 8 x NVIDIA ConnectX®-8 OSFP Ports (800Gb/s) 2 x 1GbE RJ45 1 x IPMI RJ45 4 x USB 3.0 1 x VGA Power button LED / UID button / reset button Rear: 2 x 1GbE RJ45, shares with front panel 1 x IPMI RJ45, shares with front panel 2 x Type-A USB3.0 1 x VGA UID button
TPM	TPM 2.0
Power Supply	6+6, 80-PLUS Titanium, 3000W CRPS
System Management	ASPEED® AST2600
System Fans	9 x 8080 rear fans 10 x 8080 front fans 6 x 6056 front fans 5 x 8080 top fans
Operating Properties	Operating Temperature: 10°C ~ 35°C
Packaging Content	