

XL44-SX2-AAS1

NVIDIA RTX PRO™ Server -
4U DP 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs



Key Features

- NVIDIA RTX PRO™ Server with ConnectX®-8 SuperNIC™ switch
- Configured with 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs
- Configured with 1 x NVIDIA BlueField®-3 DPU
- Onboard 400 Gb/s NVIDIA InfiniBand Ethernet QSFP ports with PCIe Gen6 switching for peak GPU-to-GPU performance
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 2 x M.2 slots with PCIe Gen4 x2
- 3+1 3200 W 80 PLUS Titanium redundant power supplies

Applications

AI Platform, AI Training Server, AI Inference Server, Visual Computing, High-Performance Computing Server...

Specification

Dimensions	4U (W438 x H176.6 x D802.5 mm)	RAID	Onboard VROC key headers
Motherboard	MSX4-MG1	PCIe Expansion Slots	8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs 1 x NVIDIA BlueField®-3 DPU
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processors, TDP up to 350 W	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Socket	2 x LGA 4710 (Socket E2)	Power Supply	3+1 3200 W 80 PLUS Titanium redundant power supply AC Input: 100-240 V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Fans	10 x 80x80x80mm
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs ^[1] [RDIMM] Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.	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)
LAN	Front: 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN Rear: 8 x QSFP ports (400 Gb/s InfiniBand/Ethernet, for GPU networking)	Packaging Content	1 x XL44-SX2-AAS1 2 x CPU heatsinks 4 x Carriers 1 x L-shape Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Ordering Part Numbers	6NXL44SX2DR000AAS1*
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe Internal M.2: 2 x M.2 (2280/22110), PCIe Gen4 x2		



Learn more at: <https://www.gigabyte.com/Enterprise>
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