

# 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

<b>Dimensions</b>	4U (W438 x H176.6 x D802.5 mm)	<b>RAID</b>	Onboard VROC key headers
<b>Motherboard</b>	MSX4-MG1	<b>PCIe Expansion Slots</b>	8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs 1 x NVIDIA BlueField®-3 DPU
<b>CPU</b>	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350 W	<b>I/O Ports</b>	<b>Front:</b> 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
<b>OS Compatibility</b>	<a href="#">OS Support List</a>	<b>TPM</b>	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector ( <b>only enabled on RoT SKU</b> )
<b>Socket</b>	2 x LGA 4710 (Socket E2)	<b>Power Supply</b>	3+1 3200 W 80 PLUS Titanium redundant power supply AC Input: 100-240 V  *The system power supply requires C19 power cord.
<b>Chipset</b>	System on Chip	<b>System Fans</b>	10 x 80x80x80mm
<b>Memory</b>	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs <sup>[1]</sup> [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s  <sup>[1]</sup> MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.	<b>Operating Properties</b>	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
<b>LAN</b>	<b>Front:</b> 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN <b>Rear:</b> 8 x QSFP ports (400 Gb/s InfiniBand/Ethernet, for GPU networking)	<b>Packaging Content</b>	1 x XL44-SX2-AAS1 2 x CPU heatsinks 4 x Carriers 1 x L-shape Rail kit
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Ordering Part Numbers</b>	6NXL44SX2DR000AAS1*
<b>Storage</b>	<b>Front hot-swap:</b> 8 x 2.5" Gen5 NVMe <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen4 x2		



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

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