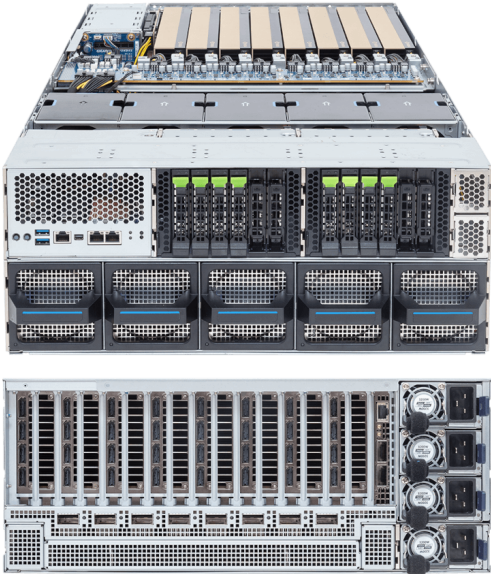


# XL44-SX2-AAS1

NVIDIA MGX™ Server - 4U DP 8 x NVIDIA RTX PRO™ 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 400Gb/s 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, 32 x DIMMs
- 2 x 10Gb/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 interface
- 3+1 3200W 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)                                                                                                                                                                                                                                   | PCIe Expansion Slots  | 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs<br>1 x NVIDIA® BlueField®-3 DPU                                           |
| Motherboard | MSX4-MG1                                                                                                                                                                                                                                                         | I/O Ports             | Front:<br>2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN                                                                      |
| CPU         | Intel® Xeon® 6 Processors<br>- Intel® Xeon® 6700-Series Processors<br>- Intel® Xeon® 6500-Series Processors<br>Dual processor, TDP up to 350W                                                                                                                    | Backplane Board       | PCIe Gen5 x4                                                                                                                     |
| Socket      | 2 x LGA 4710 (Socket E2)                                                                                                                                                                                                                                         | TPM                   | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM012<br>1 x PRoT connector ( <b>only enabled on RoT SKU</b> )                       |
| Chipset     | System on Chip                                                                                                                                                                                                                                                   | Power Supply          | 3+1 3200W 80 PLUS Titanium redundant power supply<br>AC Input: 100-240V<br><br>*The system power supply requires C19 power cord. |
| Memory      | 8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs <sup>[1]</sup><br>[RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC)<br>[MRDIMM] Up to 8000 MT/s<br><br><sup>[1]</sup> MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores and in a 1DPC configuration. | System Management     | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                                     |
| LAN         | Front:<br>2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN<br>Rear:<br>8 x QSFP ports (400Gb/s InfiniBand/Ethernet, for GPU networking)                                                                                 | System Fans           | 10 x 80x80x80mm                                                                                                                  |
| Video       | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP                                                                                                                                                                                                                   | Operating Properties  | Operating: 10°C to 30°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)                 |
| Storage     | Front hot-swap:<br>8 x 2.5" Gen5 NVMe<br>Internal M.2:<br>2 x M.2 (2280/22110), PCIe Gen4 x2                                                                                                                                                                     | Packaging Content     | 1 x XL44-SX2-AAS1<br>2 x CPU heatsinks<br>4 x Carriers<br>1 x L-shape Rail kit                                                   |
| RAID        | Onboard VROC key headers                                                                                                                                                                                                                                         | Ordering Part Numbers | 6NXL44SX2DR000AAS1*                                                                                                              |



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