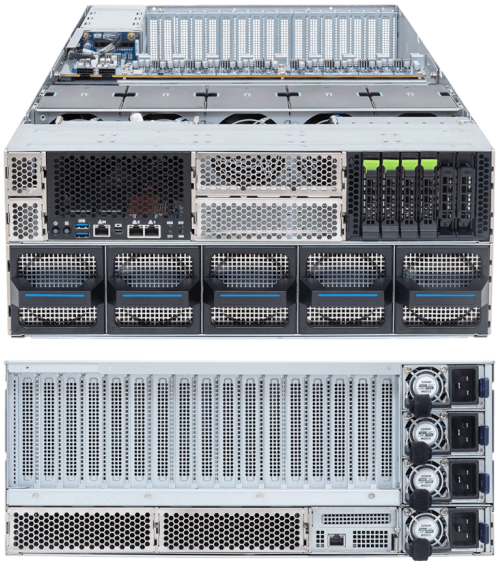
GIGABYTE™

XL44-SX0-AAS2

NVIDIA MGX™ Server - Intel® Xeon® 6700/6500-Series Processors - 4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x dual-slot Gen5 GPUs
- 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
- 4 x 2.5" Gen5 NVMe hot-swap bays
- 2 x M.2 slots with PCIe Gen4 x2
- 8 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes
- 4 x 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)
Motherboard	MSX4-MG1
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processors, TDP up to 350 W
OS Compatibility	OS Support List
Socket	2 x LGA 4710 (Socket E2)
Chipset	System on Chip
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.
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:** 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen4 x2
PCIe Expansion Slots	8 x FHFL x16 (Gen5 x16), for GPUs 1 x FHFL x16 (Gen5 x16)
I/O Ports	**Front:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN (default) **Rear:** 1 x MLAN
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Power Supply	4 x 3200 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord.
System Fans	10 x 80x80x80mm
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)
Packaging Content	1 x XL44-SX0-AAS2 2 x CPU heatsinks 8 x GPU power cables (16-pin, 100mm) 1 x AIC power cable (PCIe 8-pin, 150mm) 4 x Carriers 1 x L-shape Rail kit
Ordering Part Numbers	6NXL44SX0DR000AAS2*

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

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