

# XV24-SX0-AAJ1

NVIDIA MGX™ Server - Intel® Xeon® 6 - 2U DP 4 x PCIe Gen5 GPUs



## Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
- NVIDIA MGX™ modular server design
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 32 x DIMMs
- 2 x 10Gb/s LAN ports via Intel® X550-AT2
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x2 interface
- 4 x FHFL PCIe Gen5 x16 slots for GPU
- 2 x FHFL PCIe Gen5 x16 slots for NVIDIA ConnectX®-7 NICs
- 1 x FHFL PCIe Gen5 x16 slot for NVIDIA® BlueField®-3 DPUs
- 3+1 2000W 80 PLUS Titanium redundant power supplies

## Specification

<b>Dimensions</b>	2U (W438 x H87 x D900 mm)	<b>RAID</b>	Onboard VROC key header
<b>Motherboard</b>	MSX4-MG0	<b>PCIe Expansion Slots</b>	4 x FHFL PCIe Gen5 x16, for GPUs 2 x FHFL PCIe Gen5 x16, for NICs 1 x FHFL PCIe Gen5 x16, for DPUs  *The system supports 4 x NVIDIA H200 NVL PCIe GPUs at 25°C ambient, arranged as two 2-GPU sets, each with a 2-way NVLink bridge. *The system is only validated with a uniform GPU model.
<b>CPU</b>	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350W	<b>I/O Ports</b>	<b>Front:</b> 2 x USB 3.2 Gen1 <b>Rear:</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 TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
<b>Socket</b>	2 x LGA 4710 (Socket E2)	<b>Power Supply</b>	3+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Fans</b>	4 x 80x80x80mm
<b>Memory</b>	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 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.	<b>Operating Properties</b>	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
<b>LAN</b>	2 x 10Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	<b>Packaging Content</b>	1 x XV24-SX0-AAJ1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 2 x GPU power cables (16-pin, 620mm) 2 x GPU power cables (16-pin, 750mm) 4 x Carriers 1 x 3-Section Rail kit
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Ordering Part Numbers</b>	6NXV24SX0DR000AAJ1*
<b>Storage</b>	<b>Front hot-swap:</b> 4 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen5 x2  [1] Storage card is required to support SATA and SAS drives.	<b>Optional Parts</b>	- Chassis intrusion switch: 25HA1-R28390-U1R - Cable Management Arm: 25HB2-2AA700-K0R



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

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