

XV24-SU0-AAJ1

NVIDIA MGX™ Server - 2U UP 4 x PCIe Gen5 GPUs



Key Features

- NVIDIA MGX™ modular server design
- Supports up to 4 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
- Single Intel® Xeon® 6700/6500-Series Processors with 136 PCIe lanes
- 8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X550-AT2
- 2 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHFL PCIe Gen5 x16 slots for NVIDIA ConnectX®-7 NICs
- 1 x FHFL PCIe Gen5 x16 slot for NVIDIA BlueField®-3 DPUs
- 4 x 2000W 80 PLUS Titanium redundant power supplies



Specification

Dimensions	2U (438 x 87 x 900 mm)
Motherboard	MSU4-MG0
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors with 136 PCIe lanes - Intel® Xeon® 6500-Series Processors with 136 PCIe lanes Single processor, TDP up to 350W
OS Compatibility	OS Support List
Socket	1 x LGA 4710 (Socket E2)
Chipset	System on Chip
Memory	8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] ^[1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores and in a 1DPC configuration.
LAN	2 x 10Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	Front hot-swap: 2 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] Internal M.2: 2 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4 ^[1] Storage card is required to support SATA and SAS drives.
RAID	Require RAID add-in cards Onboard VROC key header

PCIe Expansion Slots	4 x FHFL PCIe Gen5 x16, for GPUs 2 x FHFL PCIe Gen5 x16, for NICs 1 x FHFL PCIe Gen5 x16, for DPUs <small>*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.</small>
I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Power Supply	4 x 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
System Fans	2 x 60x60x56mm (24,000rpm) 4 x 80x80x80mm (17,500rpm)
Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Packaging Content	1 x XV24-SU0-AAJ1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 2 x GPU power cables (12VHPWR, 450mm) 2 x GPU power cables (12VHPWR, 550mm) 1 x DPU power cable (2x PCIe 8pin, 520mm) 2 x Carriers 1 x 3-Section Rail kit
Ordering Part Numbers	6NXV24SU0DR000AAJ1*
Optional Parts	- Chassis intrusion switch: 25HA1-R28390-U1R - Cable Management Arm: 25HB2-2AA700-KOR



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

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