

# XV24-AX0-AAJ1

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



## Key Features

- NVIDIA MGX™ modular server design
- Supports up to 4 x Dual slot Gen5 GPUs
- Dual Intel® Xeon® 6 Processors, LGA 7529
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X550-AT2
- 6 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 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
- 3+1 2000W 80 PLUS Titanium redundant power supplies

## Applications

AI Platform, AI Training Server, AI Inference Server, Visual Computing, High-Performance Computing Server...

## Specification

Dimensions	2U (W438 x H87 x D900 mm)	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
Motherboard	MAX4-MG0	I/O Ports	<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
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processor, TDP up to 500W	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
OS Compatibility	<a href="#">OS Support List</a>	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PProT connector (only enabled on RoT SKU)
Socket	2 x LGA 7529 (Socket BR)	Power Supply	3+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s <sup>[1]</sup> <sup>[1]</sup> MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores.	System Fans	4 x 80x80x80mm (17,500rpm)
LAN	2 x 10Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C–35°C, 8%–80% (non-condensing) Non-operating: -40°C–60°C, 20%–95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x XV24-AX0-AAJ1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 2 x GPU power cables (12VHPWR, 620mm) 2 x GPU power cables (12VHPWR, 750mm) 2 x Carriers 1 x 3-Section Rail kit
Storage	<b>Front hot-swap:</b> 6 x 2.5" Gen5 NVMe/SATA/SAS-4 <sup>[1]</sup> <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen5 x2 <sup>[1]</sup> Storage card is required to support SATA and SAS drives.	Ordering Part Numbers	6NXV24AX0DR000AAJ1*
RAID	Require RAID add-in cards Onboard VROC key header	Optional Parts	- Chassis intrusion switch: 25HA1-R28390-U1R - Cable Management Arm: 25HB2-2AA700-K0R



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

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