# GIGABYTE™

# XV24-AX0-AAJ1

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

**intel XEON**





## Key Features

- Optimized for NVIDIA OVX™ L40S Server with 4 GPUs config.
- NVIDIA MGX™ modular server design
- Dual Intel® Xeon® 6 Processors, LGA 7529
- 12-Channel DDR5 RDIMM / MCR DIMM, 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
- 3 x FHFL PCIe Gen5 x16 slots
- 4 x 2000W 80 PLUS Titanium redundant power supply

## Specification

| | | | | |
|---|---|---|---|---|
| **Dimensions** | 2U (W438 x H87 x D900 mm) | | **I/O Ports** | Front: 2 x USB 3.2 Gen1<br>Rear: 2 x USB 3.2 Gen1, 2 x RJ45, 1 x Mini-DP, 1 x MLAN |
| **Motherboard** | MAX4-MG0 | | **Backplane Board** | PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s |
| **CPU** | Intel® Xeon® 6 Processors<br>- Intel® Xeon® 6900-Series Processors<br>Dual processor, TDP up to 500W | | **Security Modules** | 1 x TPM header with SPI interface<br>- Optional TPM2.0 kit: CTM012<br>1 x PRoT module connector (only enabled on RoT SKU) |
| **Sock** | 2 x LGA 7529 (Socket BR) | | **Power Supply** | 4 x 2000W 80 PLUS Titanium redundant power supply<br>AC Input: 100-240V |
| **Chipset** | System on Chip | | **System Management** | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **Memory** | 12-Channel DDR5 RDIMM / MCR DIMM*, 24 x DIMM slots<br>RDIMM: Up to 6400 MT/s; MCR DIMM: Up to 8000 MT/s<br>*MCR DIMMs are only supported with Intel Xeon 6 CPU with P-cores. | | **System Fans** | 4 x 80x80x80mm (15,000rpm) |
| **LAN** | 2 x 10Gb/s LAN (1 x Intel® X550-AT2) - Support NCSI function<br>1 x 10/100/1000 Mbps Management LAN | | **Operating Properties** | Operating temperature: 10°C to 35°C<br>Operating humidity: 8%-80% (non-condensing)<br>Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 20%-95% (non-condensing) |
| **Video** | Integrated in ASPEED® AST2600 - 1 x Mini-DP | | **Packaging Content** | 1 x XV24-AX0-AAJ1, 2 x CPU heatsinks, 2 x Carriers,<br>1 x Mini-DP to D-Sub cable,<br>4 x GPU power cables,<br>1 x 2-Section Rail kit |
| **Storage** | Front hot-swap:<br>6 x 2.5" Gen5 NVMe/SATA/SAS-4*<br>*Storage card is required to support SATA and SAS drives.<br><br>Internal M.2:<br>2 x M.2 (2280/22110), PCIe Gen5 x2 | | | |
| **RAID** | Require RAID add-in cards<br>Onboard VROC key header | | **Part Numbers** | Barebone package: 6NXV24AX0DR000AAJ1*<br><br>Optional parts:<br>- 3-Section Rail kit (Supports CMA): 25HB2-T76100-K0R<br>- Cable Management Arm: 25HB2-2AA700-K0R |
| **Expansion Slots** | 4 x FHFL PCIe Gen5 x16 slots for GPUs<br>3 x FHFL PCIe Gen5 x16 slots | | | |



Learn more at **https://www.GIGABYTE.com/enterprise**

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