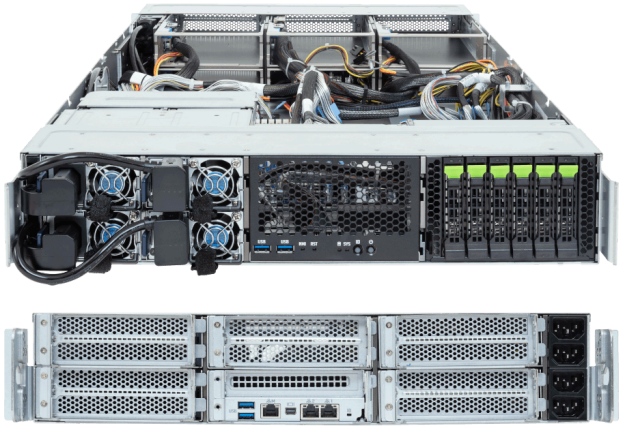
GIGABYTE™

XV24-AX0-IAJ1

NVIDIA MGX™ Server - Intel® Xeon® 6900E+/6900-Series Processors - 2U DP 4 x PCIe Gen5 GPUs Immersion



Key Features

- Immersion Cooling Server
- Supports up to 4 x dual-slot Gen5 GPUs
- NVIDIA MGX™ modular server design
- Dual Intel® Xeon® 6900E+/6900-Series Processors
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 24 x DIMMs
- 2 x 10 Gb/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
- 4 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 3 x FHFL PCIe x16 slots with Gen5 x16 lanes
- 2+2 2000 W 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)
Motherboard	MAX4-MG0
CPU	Intel® Xeon® 6+ Processors - Intel® Xeon® 6900E+ Processors Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processors, TDP up to 500 W
OS Compatibility	OS Support List
Socket	2 x LGA 7529 (Socket BR)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM/MRDIMM, 24 x DIMMs **Intel Xeon 6900E+:** [RDIMM] Up to 8000 MT/s **Intel Xeon 6900-series:** [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.
LAN	2 x 10 Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Bottom hot-swap:** 6 x 2.5" Gen5 NVMe/**SATA/SAS-4** [1] **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen5 x2 [1] Storage card is required to support SATA and SAS drives.
PCIe Expansion Slots	4 x FHFL x16 (Gen5 x16), for GPUs 3 x FHFL x16 (Gen5 x16)
I/O Ports	**Top:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 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	2+2 2000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
Operating Properties	Operating coolant temperature: 20°C to 35°C Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Packaging Content	1 x XV24-AX0-IAJ1 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) 2 x Carriers
Ordering Part Numbers	6NXV24AX0DR000IAJ1*
Optional Parts	- Chassis intrusion switch: 25HA1-R28390-U1R

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

* All specifications are subject to change without notice. Please visit our website for the latest information.
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