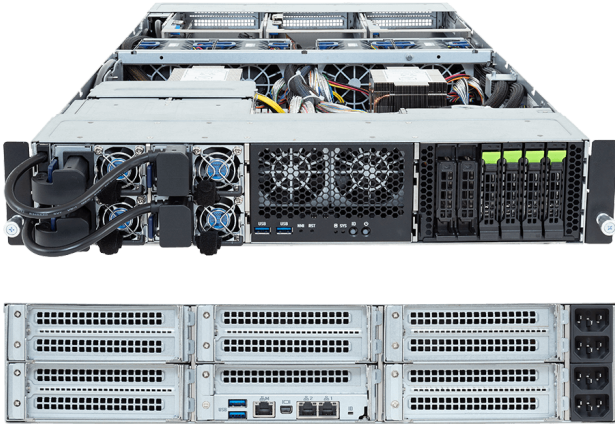


XV24-SX0-AAJ1

NVIDIA MGX™ Server - Intel® Xeon® 6700/6500-Series Processors -
2U DP 4 x PCIe Gen5 GPUs



Key Features

- Supports up to 4 x dual-slot Gen5 GPUs
 - 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
 - 4 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition
- NVIDIA MGX™ modular server design
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 2 x 10 Gb/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
- 4 x FHFL PCIe x16 (Gen5 x16) for GPUs
- 2 x FHFL PCIe x16 (Gen5 x16) for NVIDIA ConnectX®-7 NICs
- 1 x FHFL PCIe x16 (Gen5 x16) for NVIDIA BlueField®-3 DPUs
- 3+1 2000 W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	2U (W438 x H87 x D900 mm)	PCIe Expansion Slots	4 x FHFL x16 (Gen5 x16), for GPUs 2 x FHFL x16 (Gen5 x16), for NICs 1 x FHFL x16 (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 supports 4 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs at 25°C ambient. *The system is only validated with a uniform GPU model.
Motherboard	MSX4-MG0	I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processors, TDP up to 350 W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x ProT connector (only enabled on RoT SKU)
OS Compatibility	OS Support List	Power Supply	3+1 2000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
Socket	2 x LGA 4710 (Socket E2)	System Fans	4 x 80x80x80mm
Chipset	System on Chip	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)
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 6000 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.	Packaging Content	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
LAN	2 x 10 Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Ordering Part Numbers	6NXV24SX0DR000AAJ1*
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Optional Parts	- Chassis intrusion switch: 25HA1-R28390-U1R - Cable Management Arm: 25HB2-2AA700-K0R
Storage	Front hot-swap: 4 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.		



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