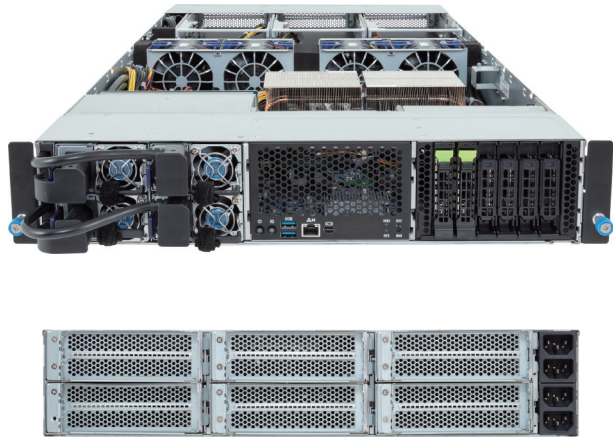


XV23-VC0-AAJ1

MGX Server - NVIDIA Grace™ CPU Superchip



Features

- Supports up to 4 x Dual slot Gen5 GPUs
- High-performance CPU for HPC and cloud computing
- NVIDIA MGX™ modular server design
- NVIDIA Grace™ CPU Superchip
- 900GB/s NVIDIA® NVLink®-C2C Interconnect
- Up to 960GB CPU LPDDR5X ECC memory
- Compatible with NVIDIA BlueField®-3 DPUs
- 2 x 2.5" Gen5 NVMe 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 add-in cards
- 2+2 2000W 80 PLUS Titanium redundant power supplies

Application

AI, AI Training, AI Inference, HPC, High Converged Server

Specification

Dimensions	2U (W438 x H87 x D900 mm)	Backplane Board	Speed and bandwidth: PCIe Gen5 x4
Motherboard	MVC3-MG0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM012
Superchip	NVIDIA Grace™ CPU Superchip: - 2 x NVIDIA Grace™ CPUs - Connected with NVIDIA® NVLink®-C2C - TDP up to 500W (CPU + memory)	Power Supply	2+2 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Memory	Up to 960GB of LPDDR5X memory with ECC Memory bandwidth up to 1TB/s	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
LAN	Front: 1 x 10/100/1000 Mbps Management LAN	OS Support	Ubuntu 22.04.3 arm64 Red Hat Enterprise Linux server 9.3 aarch64 SUSE SLE 15 SP5 aarch64
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	System Fans	4 x 80x80x80mm (15,000rpm)
Storage	Front hot-swap: 2 x 2.5" Gen5 NVMe Internal M.2: 2 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4	Operating Properties	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
RAID	N/A	Packaging Content	1 x XH23-VG0-AAJ1, 1 x 3-Section Rail kit Packaging Dimensions: 1195 x 740 x 455 mm
Expansion Slots	4 x FHFL PCIe Gen5 x16 slots for GPUs 2 x FHFL PCIe Gen5 x16 slots for add-in cards	Part Numbers	Barebone package: 6NXH23VG0MR000AAJ1* Optional parts: - Cable Management Arm: 25HB2-2AA700-K0R
I/O Ports	Front side: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		



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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