GIGABYTE^{**}

XH23-VG0-AAJ1

MGX Server - NVIDIA GH200 Grace Hopper Superchip





Features

- NVIDIA-Certified Systems[™] NVIDIA ARM CPU Systems
- CPU+GPU design for giant-scale AI and HPC
- NVIDIA MGX[™] modular server design
- Single NVIDIA GH200 Grace Hopper Superchip
- 900GB/s NVIDIA[®] NVLink[®]-C2C Interconnect
- Up to 480GB CPU LPDDR5X ECC memory
- Up to 96GB GPU HBM3
- Compatible with NVIDIA BlueField®-3 DPUs
- 2 x 10Gb/s LAN ports via Intel® X550-AT2
- 4 x 2.5" Gen5 NVMe bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 3 x FHFL PCIe Gen5 x16 slots
- Dual 2000W 80 PLUS Titanium redundant power supply

Application

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

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Dimensions	2U (W438 x H87 x D900 mm)	Backplane Board	Speed and bandwidth: PCIe Gen5 x4
Motherboard	MVG3-MG0	ТРМ	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM012
Memory N	NVIDIA GH200 Grace Hopper Superchip: - 1 x NVIDIA Grace™ CPU - 1 x NVIDIA Hopper™ GPU - Connected with NVIDIA® NVLink®-C2C	Power Supply	Dual 2000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
	- TDP up to 1000W (CPU + GPU + memory)	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
	NVIDIA Grace CPU: - Up to 480GB of LPDDR5X memory with ECC - Memory bandwidth up to 512GB/s	OS Support	Ubuntu 22.04.3 arm64 Red Hat Enterprise Linux server 9.3 aarch64 SUSE SLE 15 SP5 aarch64
	NVIDIA Hopper GPU: - Up to 96GB HBM3 - Memory bandwidth up to 4TB/s	System Fans	3 x 60x60x56mm 4 x 80x80x80mm
LAN	2 x 10GbE LAN ports (2 x Intel [®] X550-AT2) - Support NCSI function 1 x 10/100/1000 Mbps Management LAN	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)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP		
Storage	Front side: 4 x 2.5" Gen5 NVMe bays Internal M.2: 2 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4	Packaging Content	1 x XH23-VG0-AAJ1 1 x 3-Section Rail kit
Expansion Slots	3 x FHFL PCIe Gen5 x16 slots	Part Numbers	Barebone package: 6NXH23VG0MR000AAJ1* Optional parts:
I/O Ports	Front side: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN		- Cable Management Arm: 25HB2-2AA700-K0R



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

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