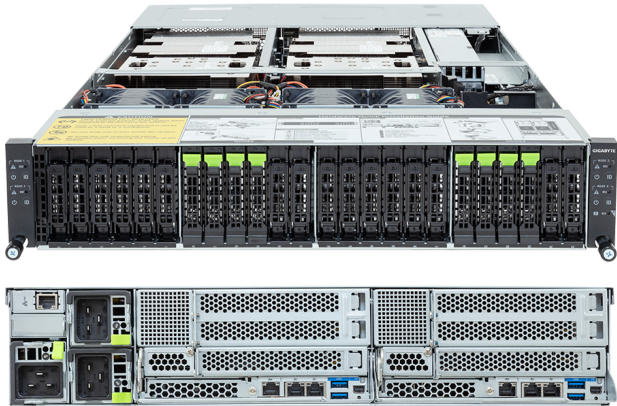


H223-V10-AAW1

HPC/AI Arm Server - 2U 2-Node 8-Bay Gen5 NVMe



Key Features

- CPU+GPU design for giant-scale AI and HPC
- 2U 2-node rear access server system
- NVIDIA GH200 Grace Hopper Superchip
- 900GB/s NVIDIA® NVLink®-C2C Interconnect
- 480GB CPU LPDDR5X ECC memory per module
- Up to 144GB GPU HBM3E per module
- 4 x 10Gb/s LAN ports via Intel® X550-AT2
- 1 x CMC port
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x 2.5" Gen5 NVMe hot-swap bays via NVIDIA BlueField®-3 DPU's (optional)
- 4 x M.2 slots with PCIe Gen5 x4 interface
- 2 x FHHL dual-slot PCIe Gen5 x16 slots
- 2 x FHHL single-slot PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 Gen5 x16 slots
- 2+1 3000W 80 PLUS Titanium redundant power supplies

Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server, High Converged Server...

Specification

Dimensions	2U 2-Node - Rear access (W440 x H87.5 x D850 mm)	PCIe Expansion Slots	2 x FHHL PCIe Gen5 x16, dual-slot 2 x FHHL PCIe Gen5 x16, single-slot 2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MV13-HD0	I/O Ports	Front: 1 x CMC status LED, 1 x CMC reset button Rear: 4 x USB 3.2 Gen1, 2 x Mini-DP, 4 x RJ45, 2 x MLAN, 1 x CMC port
CPU	Per node: NVIDIA GH200 Grace Hopper Superchip: - 1 x NVIDIA Grace™ CPU - 1 x NVIDIA Hopper™ GPU - Connected with NVIDIA® NVLink®-C2C - TDP up to 1000W (CPU + GPU + memory)	Backplane Board	PCIe Gen5 x4
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
Memory	Per node: NVIDIA Grace CPU: - 480GB of LPDDR5X memory with ECC - Memory bandwidth up to 512GB/s NVIDIA Hopper GPU: - 96GB HBM3 (or 144GB HBM3E) - Memory bandwidth up to 4TB/s (or 4.9TB/s)	Power Supply	2+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
LAN	4 x 10Gb/s LAN (2 x Intel® X550-AT2), Support NCSI 2 x 10/100/1000 Mbps Management LAN 1 x CMC Management LAN	System Management	ASPEED® AST2600 Baseboard Management Controller ASPEED® AST2520 Chassis Management Controller GIGABYTE Management Console web interface
Video	Integrated in ASPEED® AST2600 x 2 - 2 x Mini-DP	System Fans	4 x 80x80x80mm
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe Optional front hot-swap: 4 x 2.5" Gen5 NVMe ^[1] Internal M.2: 4 x M.2 (2280/22110), PCIe Gen5 x4 ^[1] Requires optional NVIDIA BlueField®-3 DPU's.	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)
		Packaging Content	1 x H223-V10-AAW1 4 x Superchip heatsinks 1 x Mini-DP to D-Sub cable 1 x 3-Section Rail kit
		Ordering Part Numbers	96GB HBM3 GPU memory: 6NH223V10MR000AAW1* 144GB HBM3E GPU memory: 6NH223V10MR000ABW1*



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

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