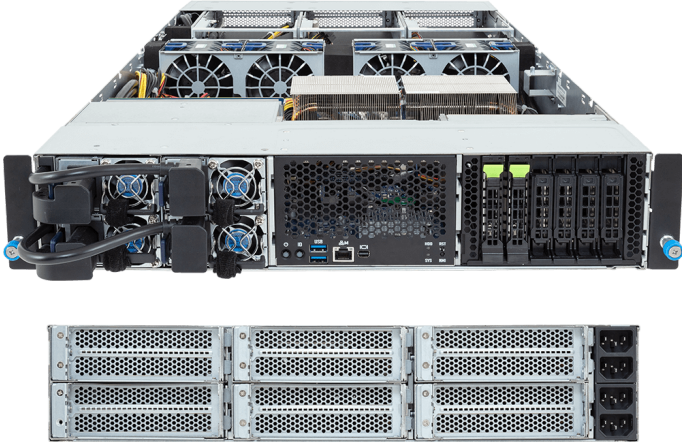


XV23-VC0-AAJ2

NVIDIA MGX™ Arm Server - 2U DP 4 x PCIe Gen5 GPUs



Key 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
- 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

Applications

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

Specification

Dimensions	2U (W438 x H87 x D900 mm)	Backplane Board	PCIe Gen5 x4
Motherboard	MVC3-MG0	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
CPU	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
OS Compatibility	OS Support List	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	960GB of LPDDR5X memory with ECC Memory bandwidth up to 768GB/s	System Fans	4 x 80x80x80mm
LAN	1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x XV23-VC0-AAJ2 2 x Superchip heatsinks 1 x Mini-DP to D-Sub cable 1 x DPU power cable (2x PCIe 8pin, 520mm) 2 x GPU power cables (12VHPWR, 450mm) 2 x GPU power cables (12VHPWR, 750mm) 1 x 3-Section Rail kit
Storage	Front hot-swap: 2 x 2.5" Gen5 NVMe Internal M.2: 2 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4	Ordering Part Numbers	6NXV23VC0DR000AAJ2*
PCIe Expansion Slots	4 x FHFL PCIe Gen5 x16, for GPUs 2 x FHFL PCIe Gen5 x16, for add-in cards	Optional Parts	- Cable Management Arm: 25HB2-2AA700-K0R
I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		

