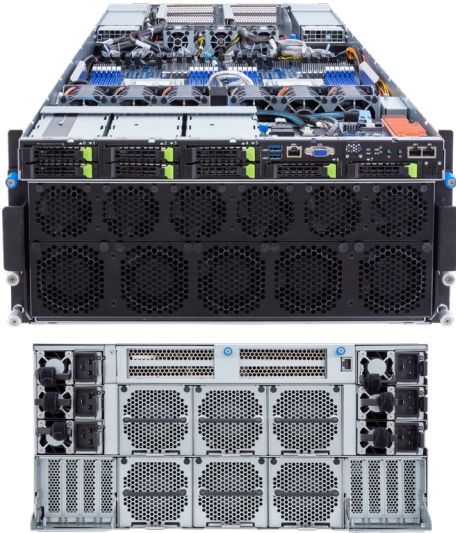


# G593-ZD2-AAX1

HPC Server - 5U DP HGX H100 8-GPU



## Features

- Supports NVIDIA HGX™ H100 with 8 x SXM5 GPUs
- Supports NVIDIA® NVLink® and NVSwitch™ technology
- Up to 900GB/s GPU to GPU interconnection
- AMD EPYC™ 9004 series processor family
- Dual processor, 5nm technology
- 12-Channel RDIMM DDR5 per processor, 24 x DIMMs
- Dual ROM Architecture supported
- 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
- 1 x dedicated management port
- 2 x M.2 slots with PCIe Gen3 x4 and x1 interface
- 8 x 2.5" Gen5 NVMe hot-swappable bays
- 4 x FHHL PCIe Gen5 x16 slots
- 8 x LP PCIe Gen5 x16 slots
- 4+2 3000W (240V) 80 PLUS Titanium redundant power supplies

## Specification

<b>Dimensions</b>	5U (W447 x H222.25 x D945 mm)	<b>Backplane I/O</b>	PCIe Gen5 x4
<b>Motherboard</b>	MZB3-G42	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>CPU</b>	AMD EPYC™ 9004 series processor Dual processor, 5nm technology, cTDP up to 400W Up to 96-core, 192 threads per processor 2 x LGA 6096 Socket SP5, cTDP up to 400	<b>Power Supply</b>	4+2 3000W 80 PLUS Titanium redundant power supply AC Input: 115-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	24 x DIMM slots 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported	<b>OS Compatibility</b>	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP4 (x64) Ubuntu 20.04.5 LTS / 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2.1
<b>LAN</b>	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) Supported NCSI function 1 x 10/100/1000 management LAN	<b>System Fans</b>	Front: 5 x 80x80x80mm (17,000rpm), 6 x 60x60x72mm (21,700rpm) Rear: 6 x 80x80x80mm (17,000rpm), 2 x 40x40x56mm (29,700rpm) Internal: 4 x 40x40x28mm (25,000rpm), 6 x 60x60x56mm (24,000rpm)
<b>Video</b>	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Operating Properties</b>	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)
<b>Storage</b>	8 x 2.5" Gen5 NVMe hot-swappable bays	<b>Packaging Content</b>	1 x G593-ZD2, 2 x CPU heatsinks, 1 x Rail kit
<b>Expansion Slots</b>	Supports NVIDIA HGX™ H100 with 8 x SXM5 GPU 8 x PCIe Gen5 x16 low-profile slots 4 x PCIe Gen5 x16 FHHL slots 1 x M.2 slot: M-key, PCIe Gen3 x1, supports 2280/22110 cards 1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards	<b>Reference Numbers</b>	System with NVIDIA module: 6NG593ZD2DR000AAX1* - Rail kit: 25HB2-A96102-K0R - CPU fansink: 25ST1-24320H-M1R (TBD) - Power supply: 25EP0-23000A-D0S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)
<b>Front I/O</b>	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default port)		
<b>Rear I/O</b>	1 x MLAN		



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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