GIGABYTE™

G363-ZR0-AAX1

HPC/AI Server - 3U DP HGX™ H100 4-GPU

Features

- Supports NVIDIA HGX™ H100 with 4 x SXM5 GPUs
- Supports NVIDIA® NVLink® technology
- Up to 300GB/s GPU to GPU interconnection
- AMD EPYC™ 9004 series processors
- Dual processor, 5nm technology
- 12-Channel RDIMM DDR5, 24 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports
- 2 x 10Gb/s BASE-T LAN ports
- 1 x Dedicated management port
- 4 x Gen5 NVMe/SATA + 4 x SATA 2.5" hot-swap bays
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 6 x LP PCIe Gen5 x16 slots
- 2+1 3000W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	3U (W448 x H130 x D800 mm)	**Rear I/O**	2 x RJ45, 1 x MLAN (optional)
Motherboard	MZ83-HD1	**Backplane I/O**	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	AMD EPYC™ 9004 series processors AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Up to 128-core, 256 threads per processor cTDP up to 300W at ambient 35°C 2 x LGA 6096, Socket SP5 *cTDP supported up to 400W under limited thermal conditions.	**TPM**	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
		Power Supply	2+1 3000W (240V) 80 PLUS Titanium redundant power supplies
Chipset	System on Chip	**System Management**	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	12-Channel DDR5 memory, 24 x DIMM slots RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz	**OS Compatibility**	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP3 SP5 (x64) Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor 8.2 LTSR CU1

LAN	Front side: 2 x 1Gb/s LAN ports (Intel® I350-AM2)*
	         1 x 10/100/1000 management LAN
	Rear side: 2 x 10Gb/s BASE-T LAN ports (Broadcom® BCM57416)*
	         1 x 10/100/1000 management LAN (optional)
	*Support NCSI function (by switch setting)
		System Fans	7 x 80x80x80mm (17,000rpm)

		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 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	**Packaging Content**	1 x G363-ZR0, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x L-type Rail kit
Storage	4 x 2.5" Gen5 NVMe/SATA/SAS hot-swappable bays 4 x 2.5" Gen5 NVMe hot-swappable bays SAS card is required for SAS devices support	**Reference Numbers**	Barebone w/ Nvidia module: 6NG363ZR0DR000AAX1* - Motherboard: 9MZ83HD1UR-000 - L-type Rail kit: 25HB2-A86102-K0R - CPU heatsink: 25ST1-15320H-A3R
Expansion Slots	Supports NVIDIA HGX™ H100 with 4 x SXM5 GPUs 6 x PCIe Gen5 x16 low-profile slots 1 x M.2 slot (M-key, PCIe Gen4 x4, support 2280/22110 card)		- GPU heatsink: 25ST1-3332G0-F2R - Power supply: 25EP0-23000A-D0S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional)
Front I/O	2 x USB 3.2 Gen1, 1 x mini-DP, 2 x RJ45, 1 x MLAN (default)		- C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)

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