

G262-ZR0

HPC Server - 2U DP SXM4 A100 4-GPU



Features

- Supports NVIDIA HGX™ A100 with 4 x SXM4 GPU
- Supports NVIDIA® NVLink® and NVSwitch™ technology
- Up to 600GB/s GPU to GPU interconnection
- Dual AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 4 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 6 x Low profile Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 3000W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W448 x H86.4 x D760 mm)	Backplane I/O	4 x 2.5" NVMe/ SATA hybrid ports Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s
Motherboard	MZ62-HD5	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 7002 series processor family Dual processors, 7nm, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 240W, cTDP up to 280W	Power Supply	Dual 3000W 80 PLUS Platinum redundant power supply
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 16 x DIMM slots Total up to 4TB 3DS/ RDIMM/ LRDIMM modules supported Memory speed: Up to 3200/ 2933 MHz	OS Compatibility	Windows Server 2016 / 2019 RHEL 7.6 (x64) / 8.0 (x64) or later SLES 12 SP4 (x64) / 15 SP1 (x64) or later Ubuntu 16.04.6 LTS (x64) / 18.04.3 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.5 EP15 / 6.7 Update3 / 7.0 or later Citrix Hypervisor 8.1.0 or later
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x Dedicated management ports	Weight	Net Weight: TBD kg Gross Weight: 44 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	2 x 60x60x76mm (21,700rpm) 5 x 80x80x80mm (15,000rpm)
Storage	4 x 2.5" Gen4 U.2 NVMe/ SATA hot-swappable HDD/SSD bays	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)
SATA	Supported	Packaging Content	1 x G262-ZR0 2 x CPU fan-sinks 1 x Rail kit
SAS	N/A	Reference Numbers	Barebone with rail kit: 6NG262ZR0MR-1xx (40GB module) Barebone with rail kit: 6NG262ZR0MR-8xx (80GB module) - Motherboard: 9MZ62HD5NR-00 - Rail kit: 25HB2-A86102-K0R - CPU fan-sink: 25ST1-3532G0-M1R/25ST1-3532G1-M1R - Back plane board_2-port: 9CBP2023NR-00 - Front panel board: 9CFPP1000NR-00 - Power supply: 25EPO-230003-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (an as option) - C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (an as option)
Expansion Slots	4 x SXM4 sockets for NVIDIA HGX™ A100 4-GPU 40GB/80GB 6 x Low-profile PCIe Gen4 x16 expansion slots 1 x OCP 3.0 Gen4 x16 mezzanine slot 1 x M.2 slot: (Onboard) - M-key, PCIe Gen4 x4 - Supports NGFF-2280/22110 cards 2 x M.2 slots: (From CMTP072) - M-key, PCIe Gen4 x4 - Supports NGFF-2242/2260/2280/22110 cards		
Internal I/O	1 x COM header, 1 x TPM header		
Front I/O	2 x USB 3.0, 1 x mini DP, 2 x RJ45, 1 x MLAN		
Rear I/O	-		

* All specifications are subject to change without notice. Please visit our website for the latest information.

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