

G242-Z10

HPC System - 2U UP 4 x GPU Gen3 Server



AMD
INSTINCT



Features

- Up to 4 x NVIDIA® PCIe GPU cards
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 4 x 3.5" SATA hot-swap HDD/SSD bays in front side
- 2 x 2.5" U.2/SAS/SATA hot-swap SSD bays in rear side
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 2 x FHHL PCIe Gen3 expansion slots
- 1 x OCP 2.0 Gen3 x16 mezzanine slot
- 2 x 80 PLUS Platinum 1600W (240V) redundant PSU

Specification

Dimensions	2U (W438 x H87.5 x D820 mm)	Backplane I/O	Front side_CBP041: 4 x SATA/SAS ports Rear side_CBP2021: 2 x NVMe/SATA/SAS ports Speed and bandwidth: SATA 6Gb/s, SAS 12Gb/s or PCIe x4
Motherboard	MZ12-HD1 Rev. 3.0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 7003 Series processors Single processor, 7nm technology, cTDP up to 280W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	Power Supply	Dual 1600W 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, 8 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 MHz	OS Compatibility	Windows Server 2016 / 2019 RHEL 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later Citrix Hypervisor 8.2.0 or later
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	Weight	Net Weight: 18.2 kg Gross Weight: 28.5 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	5 x 80x80x38mm (16,300rpm)
Storage	Front: 4 x 3.5" SATA hot-swap HDD/SSD bays - 2.5" HDD/SSD supported; SATA devices supported only Rear: 2 x 2.5" U.2/SAS/SATA hybrid hot-swap 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 G242-Z10 1 x CPU heatsink 1 x Rail kit
SAS	Depend on SAS Card	Reference Numbers	Barebone with rail kit: 6NG242Z10MR-00 Rev. A00 - Motherboard: 9MZ12HD1NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-15320E-J1R - Back plane board_4-port: 9CBPG041NR-00 - Back plane board_2-port: 9CBP2021NR-00 - Front panel board: 9CFP1000NR-00 - Power supply: 25EP0-216007-L0S
Expansion Slots	4 x PCIe x16 slots (Gen3 x16) for GPU cards 1 x PCIe x16 slot (Gen3 x16 or x8), FHHL 1 x PCIe x8 slots (Gen3 x0 or x8), FHHL 1 x OCP 2.0 mezzanine slot with PCIe Gen3 x16 bandwidth 1 x onboard M.2 slot (PCIe Gen3 x4, M-key)		
Internal I/O	1 x TPM header, 1 x Front panel header		
Front I/O	1 x USB 3.0		
Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		

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

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