

G292-Z24

HPC Server - 2U UP 8 x Gen4 GPUs



AMD
INSTINCT



Features

- Supports up to 8 x double slot GPU cards
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- 2 x 10Gb/s SFP+ LAN ports (Mellanox® ConnectX-4 Lx)
- 1 x Dedicated management port
- 6 x SATA and 2 x Gen3 U.2/SATA 2.5" hot-swap HDD/SSD bays
- 2 x M.2 with PCIe Gen3 x4/x2 interface
- 8 x PCIe Gen4 expansion slots for GPU cards
- 2 x PCIe Gen4 x16 low-profile slots for add-on cards
- Aspeed® AST2500 remote management controller
- 2+0 2200W (240V) 80 PLUS Platinum power supply

Specification

Dimensions	2U (W448 x H87.5 x D800 mm)	Backplane I/O	6 x SAS/SATA and 2 x NVMe ports Backplane P/N: 9CBPG083NR-00 Bandwidth: SATA 6Gb/s, SAS 12Gb/s and PCIe x4
Motherboard	MZ22-G20 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	2+0 2200W (240V) 80 PLUS Platinum 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 SFP+ 10Gb/s LAN ports (Mellanox® ConnectX-4 Lx controller) Pin-to-Pin compatible with Mellanox® 25Gb/s LAN controller (as an option) 1 x 10/100/1000 management LAN	Weight	Net Weight: 29.5 kg / Gross Weight: 34.7 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	8 x 80x80x38mm (16,300rpm)
Storage	6 x 2.5" SATA/SAS hot-swappable HDD/SSD bays 2 x 2.5" NVMe/SATA hot-swappable SSD bays 1 x M.2 slot: M-key, PCIe Gen3 x4 - Supports NGFF-2242/2260/2280/22110 cards 1 x M.2 slot: M-key, PCIe Gen3 x2 - Supports NGFF-2242/2260/2280/22110 cards	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 G292-Z24 1 x CPU heatsinks 1 x Rail kit
SAS	Supported via add-on SAS Card	Reference Numbers	Barebone with rail kit: 6NG292Z24MR-00 Rev. A00 - Motherboard: 9MZ22G20NR-00(TBD) - Tool-less rail kit: 25HB2-A86102-K0R - CPU heatsink: 25ST1-44320I-A0R - Back plane board: 9CBPG083NR-00(TBD) - Fan module: 25ST2-883827-D0R - Power supply: 25EP0-222001-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional) - C19 type power cord 250V/15A (US): 25CP1-018300-Q0R (optional)
RAID	Depends on RAID HBA		
Expansion Slots	8 x PCIe x16 slots (Gen4 x16 bus) for GPUs (Broadcom solution) 2 x PCIe x16 (Gen4 x16 bus) Low-profile half-length slots		
Internal I/O	1 x TPM header, 4 x SlimSAS, 2 x M.2 slots, 1 x Buzzer		
Rear I/O	2 x USB 3.0, 1 x VGA, 2 x SFP+, 1 x MLAN		

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