GIGABYTE™

R282-Z92

Rack Server - 2U DP 26-Bay NVMe

Features

- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 24 x 2.5" U.2 hot-swappable SSD bays in front side
- 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in rear side
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 2 x PCIe Gen4 expansion slots
- Aspeed® AST2500 remote management controller
- 1600W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions (WxHxD)	2U 438 x 87x 730 mm
Motherboard	MZ92-FS0 Rev. 3.0
CPU	AMD EPYC™ 7003 Series processors Dual processors, 7nm technology, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 225W, cTDP up to 240W, Fully support 280W Compatible with AMD EPYC™ 7002 Series processors
Chipset	System on Chip
Memory	32 x DIMM slots DDR4 memory supported only 8-Channel memory architecture RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported Memory speed: Up to 3200 / 2933 MHz
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	Front side: 24 x 2.5" U.2 hot-swappable HDD/SSD bays Rear side: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays 1 x M.2 slot: - M-key, PCIe Gen3 x4 - Supports NGFF-2242/2260/2280/22110 cards
Expansion Slots	2 x PCIe x8 slots (Gen4 x8), FHHL
Internal I/O	1 x M.2 slot, 1 x USB 3.0 header, 1 x COM header, 1 x TPM header, 1 x Front panel header, 1 x HDD back plane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper
Front I/O	2 x USB 3.0
Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN

Backplane I/O	Front side_CBP20O5: 24 x NVMe ports Rear side_CBP2020: 2 x SATA/SAS ports Speed and bandwidth: SATA 6Gb/s, SAS 12Gb/s or PCIe x4
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Power Supply	Dual 1600W (240V) 80 PLUS Platinum redundant power supply
System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
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
Weight	Net Weight: 18.5 kg / Gross Weight: 25.5 kg
System Fans	4 x 80x80x38mm (16,300rpm)
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)
Packaging Content	1 x R282-Z92 2 x CPU heatsinks 1 x Rail kit
Reference Numbers	Barebone package: 6NR282Z92MR-00 Rev. A00 - Motherboard: 9MZ92FS0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-15320E-J1R - Back plane board_24-port: 9CBP20O5NR-00 - Back plane board_2-port: 9CBP2020NR-00 - Front panel board: 9CFP2001NR-00 - Fan module: 25ST2-883829-D0R - Power supply: 25EP0-216008-L0S

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