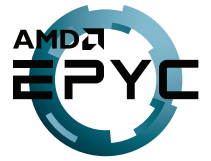


R282-Z96

Rack Server - 2U DP 12-Bay GPU & NVMe sku



Features

- Supports up to 3 x double slot GPU cards
- NVIDIA-Certified Systems™
- Supports GRAID SupremeRAID SR-1000 NVMe RAID card
- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 2 x 1Gb/s LAN ports
- 8 x 3.5" SATA hot-swappable HDD/SSD bays
- 4 x 3.5" SATA/NVMe hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 4 x PCIe Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 2000W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87 x D730 mm)	Backplane I/O	9CBP20C5NR-00: 8 x SATA/SAS and 4 x SATA/NVMe ports
Motherboard	MZ92-FS0 Rev. 3.0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 7003 Series processors Dual processors, 7nm, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 225W, cTDP up to 280W, Fully support 280W Compatible with AMD EPYC™ 7002 Series processors	Power Supply	Dual 2000W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported Memory speed: Up to 3200 / 2933 MHz	OS Compatibility	Windows Server 2016 / 2019 / 2022 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	System Fans	4 x 80x80x38mm (16,300rpm)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	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) Ambient temperature limited to 30°C if using 280W CPU
Storage	8 x 3.5"/2.5" SATA/SAS hot-swap HDD/SSD bays 4 x 3.5"/2.5" SATA/Gen4 NVMe hot-swap HDD/SSD bays SAS card is required for SAS devices support	Packaging Content	1 x R282-Z96 system 2 x CPU heatsinks 1 x Rail kit
Expansion Slots	4 x PCIe x16 slots (Gen4 x16), FHFL 1 x OCP 3.0 mezzanine slot (Gen4 x16) 1 x OCP 2.0 mezzanine slot (Gen3 x8) 1 x M.2 slot (Gen4 x4)	Reference Numbers	Barebone package: 6NR282Z96MR-00 Rev. A00 - Motherboard: 9MZ92FS0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Power supply: 25EP0-22000A-L0S - GRAID SupremeRAID Core Software Module License (optional): 25FC1-SRBUN1-AFS (4-native NVMe RAID)
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		



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

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