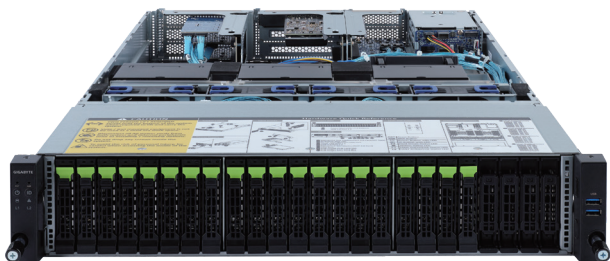


# R282-Z9G

## Rack Server - 2U 20-Bay Gen4 NVMe with GRAID solution



### Features

- Hardware-level root of trust support
- Equipped 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 (Intel® I350-AM2)
- 1 x Dedicated management port
- 20 x 2.5" Gen4 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 Gen4 x4 interface
- 1 x PCIe Gen4 x16 expansion slot
- 1600W (240V) 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	2U (W438 x H87 x D730 mm)	<b>Backplane I/O</b>	Front side_CBP2008: 20 x Gen4 NVMe ports Rear side_CBP2022: 2 x SATA/SAS ports
<b>Motherboard</b>	MZ92-FS1 Rev. 3.0	<b>TPM</b>	1 x TPM header with SPI interface, optional TPM2.0 kit: CTM010
<b>CPU</b>	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	<b>Power Supply</b>	1+1 1600W 80 PLUS Platinum redundant power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 MHz	<b>OS Compatibility</b>	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
<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>System Fans</b>	4 x 80x80x38mm (16,300rpm)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>Operating Properties</b>	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
<b>Storage</b>	Front side: 20 x 2.5" Gen4 U.2 hot-swappable HDD/SSD bays Rear side: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays  SAS card is required for SAS devices support	<b>Packaging Dimensions</b>	982 x 588 x 268 mm
<b>RAID</b>	Equipped GRAID SupremeRAID SR-1000 NVMe/NVMe-oF RAID card Support RAID 0, 1, 10, 5, 6 Maximum 32 physical drives Support NVMe/SAS/SATA SSD and SAS/SATA HDD	<b>Packaging Content</b>	1 x R282-Z9G system 2 x CPU heatsinks 1 x Rail kit
<b>Expansion Slots</b>	1 x PCIe x16 slot (Gen4 x16), FHHL 1 x M.2 slot (Gen4 x4)	<b>Reference Numbers</b>	Barebone package: 6NR282Z9GMR-00 Rev. A00 - Motherboard: 9MZ92FS1NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Power supply: 25EP0-216008-L0S
<b>Front I/O</b>	2 x USB 3.0		
<b>Rear I/O</b>	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](http://www.gigabyte.com/Enterprise)

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