

## R282-Z96

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



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INSTINCT



### Features

- Supports up to 3 x double slot GPU cards
- NVIDIA-Certified system for scalability, functionality, security, and performance
- Dual AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 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
- 1+1 2200W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	2U (W438 x H87 x D730 mm)	<b>Backplane I/O</b>	9CBP20C5NR-00: 8 x SATA/SAS and 4 x SATA/NVMe ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s or PCIe Gen4 x4 per port
<b>CPU</b>	AMD EPYC™ 7002 series processor family Dual processors, 7nm, Socket SP3 Up to 64-core, 128 threads per processor cTDP up to 240W, Conditional support 280W Compatible with AMD EPYC™ 7001 series processor family	<b>TPM</b>	1 x TPM header with SPI interface, optional TPM2.0 kit: CTM010
<b>Chipset</b>	System on Chip	<b>Power Supply</b>	2 x 2200W 80 PLUS Platinum redundant power supply
<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>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>OS Compatibility</b>	Windows Server 2016 / 2019 RHEL 7.6 (x64) / 8.0 (x64) or later SLES 12 SP4 ( x64) / 15 SP1 ( x64) or later Ubuntu 16.04.6 LTS (x64) / 18.04.3 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.5 EP15 / 6.7 Update3 / 7.0 or later Citrix Hypervisor 8.1.0 or later
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>Weight</b>	Net Weight: 18.5 kg / Gross Weight: 25.5 kg
<b>Storage</b>	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	<b>System Fans</b>	4 x 80x80x38mm (16,300rpm)
<b>RAID</b>	-	<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>Expansion Slots</b>	4 x PCIe Gen4 x16 slot, FHFL 1 x OCP 3.0 Gen4 x16 mezzanine slot 1 x OCP 2.0 Gen3 x8 mezzanine slot  1 x M.2 slot: - M-key, PCIe Gen4 x4 - Supports NGFF-2242/2260/2280/22110 cards	<b>Packaging Dimensions</b>	982 x 588 x 268mm
<b>Internal I/O</b>	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	<b>Packaging Content</b>	1 x R282-Z96 system, 2 x CPU heatsinks, 1 x Rail kit
<b>Front I/O</b>	2 x USB 3.0	<b>Reference Numbers</b>	Barebone package: 6NR282Z96MR-00 - Motherboard: 9MZ92FS0NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Back plane board_12-port: 9CBP20C5NR-00 - Front panel board: 9CFP2001NR-00 - Fan module: 25ST2-883829-D0R - 4 x Gen4 NVMe card : 9CNV3134NR-00 - Power supply: 25EP0-22000A-L0S
<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		

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