

## R282-Z93

Rack Server - 2U DP 12-Bay GPU sku



AMD  
INSTINCT



### Features

- Supports up to 3 x double slot GPU cards
- 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
- 12 x 3.5" SATA hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 5 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

<b>Dimensions (WxHxD)</b>	2U 438 x 87x 730 mm	<b>Backplane I/O</b>	9CBP20C4NR-00: 12 x SATA/SAS ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
<b>Motherboard</b>	MZ92-FS0 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 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	<b>Power Supply</b>	Dual 2000W (240V) 80 PLUS Platinum redundant power supply
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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	<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 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>Weight</b>	Net Weight: 18.5 kg / Gross Weight: 25.5 kg
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>System Fans</b>	4 x 80x80x38mm (16,300rpm)
<b>Storage</b>	12 x 3.5" SATA/SAS hot-swappable HDD/SSD bays 2.5" HDD/SSD supported Default configuration supports: 12 x SATA drives or 4 x SATA drives + 8 x SAS drives via SAS HBA SAS card is required to enable the SAS drives	<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>	5 x PCIe x16 slots (Gen4 x16), FHHL 1 x OCP 3.0 mezzanine slot (Gen4 x16) 1 x OCP 2.0 mezzanine slot (Gen3 x8)  1 x M.2 slot: M-key, PCIe Gen3 x4 - Supports NGFF-2242/2260/2280/22110 cards	<b>Packaging Content</b>	1 x R282-Z93 2 x CPU heatsinks 1 x Rail kit
<b>Front I/O</b>	2 x USB 3.0	<b>Reference Numbers</b>	Barebone package: 6NR282Z93MR-00 Rev. A00 - Motherboard: 9MZ92FS0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Back plane board_12-port: 9CBP20C4NR-00 - Front panel board: 9CFP2001NR-00 - Fan module: 25ST2-883829-D0R - 4 x NVMe optional kit: 6NR282Z9DSR-00-100 - 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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