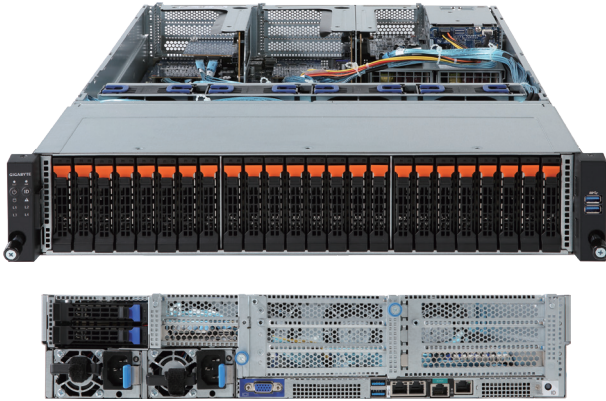
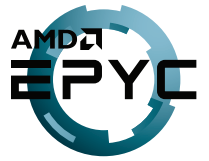


## R281-Z92

Rack Server - 2U DP 26-Bay



### 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 U.2, 2 x SATA/SAS 2.5" hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 5 x PCIe Gen3 expansion slots
- 2 x OCP Gen3 x16 mezzanine slots
- Aspeed® AST2500 remote management controller
- 1+1 1600W 80 PLUS Platinum redundant power supply

### Specification

|                        |  |                             |   |
|------------------------|--|-----------------------------|---|
| <b>Dimensions</b>      | 1U (W438 x H43.5 x D710 mm)  | <b>Backplane I/O</b>        | Front side_CBP2006: 24 x NVMe ports<br>Rear side_CBP2020: 2 x SATA/SAS ports  |
| <b>Motherboard</b>     | MZ91-FS0 Rev. 3.0  | <b>TPM</b>                  | 1 x TPM header with LPC interface<br>Optional TPM2.0 kit: CTM000  |
| <b>CPU</b>             | AMD EPYC™ 7003 Series processors<br>Dual processors, 7nm technology, Socket SP3<br>Up to 64-core, 128 threads per processor<br>TDP up to 225W, cTDP up to 240W, Fully support 280W<br>Compatible with AMD EPYC™ 7002 Series processors | <b>Power Supply</b>         | 2 x 1600W 80 PLUS Platinum redundant power supply<br>AC Input: 100-240V   |
| <b>Chipset</b>         | System on Chip   | <b>System Management</b>    | Aspeed® AST2500 management controller<br>GIGABYTE Management Console (AMI MegaRAC SP-X)   |
| <b>Memory</b>          | 8-Channel DDR4 memory, 32 x DIMM slots<br>RDIMM/LRDIMM modules up to 128GB supported<br>3DS RDIMM/LRDIMM modules up to 256GB supported<br>Memory speed: Up to 3200/2933 MHz  | <b>OS Compatibility</b>     | Windows Server 2016 / 2019<br>RHEL 8.3 (x64) or later<br>SLES 12 SP5 (x64) / 15 SP2 (x64) or later<br>Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later<br>VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later<br>Citrix Hypervisor 8.2.0 or later                           |
| <b>LAN</b>             | 2 x 1GbE LAN ports (1 x Intel® I350-AM2)<br>1 x 10/100/1000 management LAN   | <b>System Fans</b>          | 4 x 80x80x38mm (14'900rpm)  |
| <b>Video</b>           | Integrated in Aspeed® AST2500<br>2D Video Graphic Adapter with PCIe bus interface<br>1920x1200@60Hz 32bpp  | <b>Operating Properties</b> | Operating temperature: 10°C to 35°C<br>Operating humidity: 8-80% (non-condensing)<br>Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 20%-95% (non-condensing)   |
| <b>Storage</b>         | Front side: 24 x 2.5" U.2 hot-swap HDD/SSD bays<br>Rear side: 2 x 2.5" SATA/SAS hot-swap HDD/SSD bays<br>SAS card is required for SAS devices support  | <b>Packaging Content</b>    | 1 x R281-Z92, 2 x CPU heatsinks, 1 x Rail kit   |
| <b>Expansion Slots</b> | 2 x PCIe x16 slots (Gen3 x16 or x8), Full height half-length<br>2 x PCIe x8 slots (Gen3 x0 or x8), Full height half-length<br>1 x PCIe x8 slot (Gen3 x8), Full height half-length<br>1 x M.2 slot (Gen3 x4)                            | <b>Reference Numbers</b>    | Barebone package: 6NR281Z92MR-00 Rev. B00<br>- Motherboard: 9MZ91FS0NR-00 Rev. 3.0<br>- Rail kit: 25HB2-3A0202-K0R<br>- CPU heatsink: 25ST1-15320E-J1R<br>- Back plane board_24-port: 9CBP2006NR-00<br>- Front panel board: 9CFP2001NR-00<br>- 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, 1 x COM (RJ45), 2 x RJ45, 1 x MLAN   |                             |   |



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