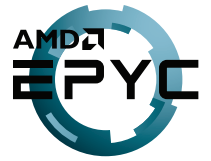


# R182-Z90

## Rack Server - 2U DP 4-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
- 4 x 3.5"/2.5" SATA hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x PCIe Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1200W (240V) 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D730 mm)	<b>Backplane I/O</b>	Speed and bandwidth: SATA 6Gb/s
<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>	1+1 1200W 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>	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 / 2022 RHEL 8.3 / 9 (x64) or later SLES 12 SP5 / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS / 20.04 LTS / 22.04 (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>System Fans</b>	8 x 40x40x56mm (23,000rpm)
<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)
<b>Storage</b>	4 x 3.5"/2.5" SATA hot-swappable HDD/SSD bays NOTE: SATA devices supported only	<b>Packaging Content</b>	1 x R182-Z90 2 x CPU heatsinks 1 x Rail kit
<b>Expansion Slots</b>	2 x PCIe x16 slot (Gen4 x16), FHHL 1 x OCP 3.0 mezzanine slot (Gen4 x16) - Supported NCSI function 1 x OCP 2.0 mezzanine slot (Gen3 x8) - Supported NCSI function 1 x M.2 slot: M-key, PCIe Gen3 x4 - Supports NGFF-2242/2260/2280/22110 cards	<b>Reference Numbers</b>	Barebone package: 6NR182Z90MR-00 Rev. A00 Spare parts: - Motherboard: 9MZ92FS0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Back plane board: 9CBP1042NR-00 - Front panel board: 9CFP1010NR-00 - Fan module: 25ST2-44562F-D0R - Power supply: 25EP0-212007-F3S
<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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