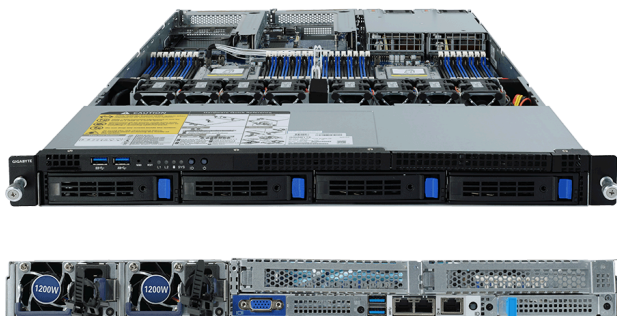


## R182-Z90 (Rev. A00/B00/AT0)

Rack Server - AMD EPYC™ 7003/7002 -  
1U DP 4-Bay SATA



### Key Features

- Dual AMD EPYC™ 7003/7002 Series Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" SATA hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x FHHL PCIe Gen4 x16 slots
- 1 x OCP NIC 3.0 PCIe Gen4 x16 slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1+1 1200 W 80 PLUS Platinum redundant power supplies (-A00)
- 1+1 1300 W 80 PLUS Platinum redundant power supplies (-B00)
- 1+1 1300 W 80 PLUS Titanium redundant power supplies (-AT0)

### Applications

Networks Server...

### Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D730 mm)	<b>PCIe Expansion Slots</b>	2 x FHHL x16 (Gen4 x16) 1 x OCP NIC 3.0 (Gen4 x16), Support NCSI 1 x OCP 2.0 mezzanine (Gen3 x8)(Type1, P1, P2), Support NCSI
<b>Motherboard</b>	MZ92-F50 Rev. 3.0	<b>I/O Ports</b>	<b>Front:</b> 2 x USB 3.0 <b>Rear:</b> 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
<b>CPU</b>	AMD EPYC™ 7003 Series Processors AMD EPYC™ 7002 Series Processors Dual processors, cTDP up to 240 W - At 30°C ambient, cTDP up to 280 W	<b>Backplane Board</b>	SATA 6 Gb/s
<b>Socket</b>	2 x LGA 4094 (Socket SP3)	<b>TPM</b>	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
<b>Chipset</b>	System on Chip	<b>Power Supply</b>	1+1 1200 W 80 PLUS Platinum redundant power supplies (-A00) 1+1 1300 W 80 PLUS Platinum redundant power supplies (-B00) 1+1 1300 W 80 PLUS Titanium redundant power supplies (-AT0) AC Input: 100-240 V
<b>Memory</b>	8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200/2933 MT/s	<b>System Management</b>	ASPEED® AST2500 Baseboard Management Controller GIGABYTE Management Console web interface
<b>LAN</b>	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	<b>System Fans</b>	8 x 40x40x56mm
<b>Video</b>	Integrated in ASPEED® AST2500 - 1 x VGA port	<b>Operating Properties</b>	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
<b>Storage</b>	<b>Front hot-swap:</b> 4 x 3.5"/2.5" SATA <sup>[1]</sup> <b>Internal M.2:</b> 1 x M.2 (2242/2260/2280/22110), PCIe Gen3 x4 <sup>[2]</sup>  <sup>[1]</sup> SATA devices supported only. <sup>[2]</sup> CPU TDP is limited to <b>225 W</b> when using M.2 drives.	<b>Packaging Content</b>	1 x R182-Z90 2 x CPU heatsinks 1 x 2-Section Rail kit
<b>RAID</b>	Require RAID add-in cards	<b>Ordering Part Numbers</b>	6NR182Z90MR-00-A*/B*
<b>Peripheral Drives</b>	1 x <b>Optional</b> slim ODD <sup>[1]</sup>  <sup>[1]</sup> For 12.7mm ODD only.	<b>Optional Parts</b>	- 3-Section Rail kit (Supports CMA): 25HB2-AA6105-K0R - Cable Management Arm: 25HBZ-R18100-K0R



Learn more at: <https://www.gigabyte.com/Enterprise>

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