

R182-Z91 (Rev. A00/B00/AT0)

Rack Server AMD EPYC™ 7003/7002 -
1U DP 10-Bay Gen3 NVMe/SATA/SAS



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
- 2 x 2.5" Gen3 NVMe hot-swap bays
- 8 x 2.5" SATA/SAS 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, Servers for Hybrid/Private Cloud...

Specification

Dimensions	1U (W438 x H43.5 x D730 mm)	I/O Ports	Front: 1 x USB 3.0 Rear: 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
Motherboard	MZ92-FS0 Rev. 3.0	Backplane Board	PCIe Gen3 x4 or SATA 6 Gb/s or SAS 12 Gb/s
CPU	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	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Socket	2 x LGA 4094 (Socket SP3)	Power Supply	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
Chipset	System on Chip	System Management	ASPEED® AST2500 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200/2933 MT/s	System Fans	8 x 40x40x56mm
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2500 - 1 x VGA port	Packaging Content	1 x R182-Z91 2 x CPU heatsinks 1 x 2-Section Rail kit
Storage	Front hot-swap: 2 x 2.5" Gen3 NVMe 8 x 2.5" SATA/SAS ^[1] Internal M.2: 1 x M.2 (2242/2260/2280/22110), PCIe Gen3 x4 ^[2] ^[1] SAS card is required to support SAS drives. ^[2] CPU TDP is limited to 225 W when using M.2 drives.	Ordering Part Numbers	6NR182Z91MR-00-A*/B*
RAID	Require RAID add-in cards	Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-AA6105-K0R - Cable Management Arm: 25HBZ-R18100-K0R
PCIe Expansion Slots	2 x FHHL x16 (Gen4 x16) 1 x OCP NIC 3.0 (Gen4 x16), Support NCSI		



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

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