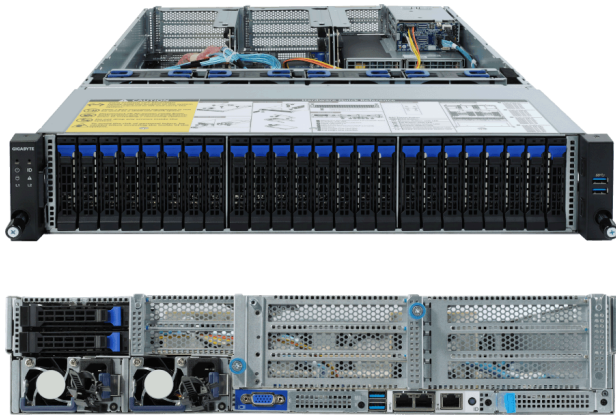


R282-Z91 (Rev. 100)

Rack Server - AMD EPYC™ 7002/7001 Series Processors -
2U DP 24+2-Bay SATA/SAS



Key Features

- Dual AMD EPYC™ 7002/7001 Series processors
- 8-Channel DDR4 RDIMM/LRDIMM per CPU with 32 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- Onboard 12 Gb/s SAS expander
- 24 x 2.5" SATA/SAS hot-swap bays
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- 1 x M.2 slot with PCIe Gen3 x4
- 6 x FHHL PCIe Gen4 x16 and x8 slots
- 2 x LP PCIe Gen4 x8 slots
- 1 x OCP NIC 3.0 PCIe Gen4 x16 slot
- 1 x OCP 2.0 PCIe Gen3 x8 mezzanine slot
- 1+1 1600 W 80 PLUS Platinum redundant power supplies

Applications

Networks Server...

Specification

Dimensions	2U (W438 x H87 x D730 mm)	PCIe Expansion Slots	2 x FHHL x16 (Gen4 x16) 4 x FHHL x8 (Gen4 x8) 2 x LP x8 (Gen4 x8)
Motherboard	MZ92-FS0		
CPU	AMD EPYC™ 7002 Series processors AMD EPYC™ 7001 Series processors Dual processors, cTDP up to 280 W		1 x OCP NIC 3.0 (Gen4 x16), Support NCSI 1 x OCP 2.0 mezzanine (Gen3 x8), Support NCSI
Socket	2 x LGA 4094 (Socket SP3)	I/O Ports	Front: 2 x USB 3.0 Rear: 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
Chipset	System on Chip	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Memory	8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200/2933 MT/s	Power Supply	1+1 1600 W 80 PLUS Platinum redundant power supplies AC Input: 100-240 V
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	System Fans	4 x 80x80x38mm
Video	Integrated in ASPEED® AST2500 - 1 x VGA port	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)
Storage	Front hot-swap: 24 x 2.5" SATA/SAS ^[1] , connected to SAS expander Rear hot-swap: 2 x 2.5" SATA/SAS ^[1] , connected to SAS expander Internal M.2: 1 x M.2 (2242/2260/2280/22110), PCIe Gen3 x4 Broadcom SAS35x36R expander Bandwidth: SATA 6 Gb/s or SAS 12 Gb/s per port ^[1] SAS card is required to enable the drives.	Packaging Content	1 x R282-Z91 2 x CPU heatsinks 1 x 2-Section Rail kit
RAID	Depends on SAS add-in cards	Ordering Part Numbers	6NR282Z91MR-00-1*
		Optional Parts	- 4 x NVMe kit: 6NR282Z9CSR-00-100 - 3-Section Rail kit (Supports CMA): 25HB2-AA6105-K0R - Cable Management Arm: 25HBZ-R18100-K0R



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

* All specifications are subject to change without notice. Please visit our website for the latest information.

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