

R162-ZA1 (Rev. 100)

Rack Server - AMD EPYC™ 7002/7001 -
1U UP 10-Bay Gen4 NVMe/SATA/SAS



Key Features

- Hardware-level root of trust support
- Supports GRAID SupremeRAID NVMe/NVMe-oF RAID Card
- Single AMD EPYC™ 7002/7001 Series Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 2 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 2 x 2.5" Gen4 NVMe hot-swap bays
- 6 x 2.5" SATA/SAS hot-swap bays
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 2 x FHHL PCIe Gen4 x16 and x8 slots
- 1 x Internal FHHL PCIe Gen4 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen4 x16 slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1+1 800 W 80 PLUS Platinum redundant power supplies

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	MZA2-CE0	Backplane Board	PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s
CPU	AMD EPYC™ 7002 Series Processors AMD EPYC™ 7001 Series Processors Single processor, cTDP up to 240 W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Socket	1 x LGA 4094 (Socket SP3)	Power Supply	1+1 800 W 80 PLUS Platinum redundant power supplies 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, 16 x DIMMs Up to 3200/2933 MT/s	System Fans	8 x 40x40x28mm
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 R162-ZA1 1 x CPU heatsink 1 x 2-Section Rail kit
Storage	Front hot-swap: 2 x 2.5" Gen4 NVMe/SATA/SAS ^[1] 2 x 2.5" Gen4 NVMe 6 x 2.5" SATA/SAS ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen4 x4 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NR162ZA1MR-00-1*
RAID	Require RAID add-in cards	Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-AA6105-KOR - Cable Management Arm: 25HBZ-R18100-KOR - GRAID SupremeRAID Core Software Module License a) SupremeRAID License: 25FC1-SR1000-AFS (4-native NVMe RAID)
PCIe Expansion Slots	Rear: 1 x FHHL x16 (Gen4 x16) 1 x FHHL x16 (Gen4 x8 or x16), shared with OCP 2.0 Internal: 1 x FHHL x16 (Gen4 x16) 1 x OCP NIC 3.0 (Gen4 x16), Support NCSI 1 x OCP 2.0 mezzanine (Gen3 x0 or x8), shared with a FHHL slot		



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

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