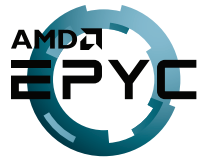# GIGABYTE™

R283-Z93-AAF1

2U DP 12+4-Bay NVMe/SATA/SAS Rack Server

AMD EPYC

Features

- Supports up to 2 x double slot Gen5 GPU cards
- AMD EPYC™ 9004 series processor family
- Dual processors, 5nm technology
- 12-Channel RDIMM DDR5, 24 x DIMMs
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 4 x 3.5/2.5" Gen4 NVMe/SATA hot-swappable bays
- 8 x 3.5/2.5" SATA hot-swappable bays
- 4 x 2.5" SATA hot-swappable bays on rear side
- 2 x FHHL PCIe Gen5 x16 expansion slots
- 2 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 2400W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87 x D815 mm)
Motherboard	MZ93-FS0
CPU	AMD EPYC™ 9004 series processor Dual processors, 5nm technology Up to 96-core, 192 threads per processor Supports CPU 240W at ambient 30°C 2 x LGA 6096 Socket SP5
Chipset	System on Chip
Memory	24 x DIMM slots 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported
LAN	2 x 1GbE LAN ports (ntel I350-AM2) - Supported NCSI function 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM
Storage	4 x 3.5/2.5" Gen4 NVMe/SATA/SAS hot-swappable bays 8 x 3.5/2.5" SATA/SAS hot-swappable bays 4 x 2.5" SATA/SAS hot-swappable bays on rear side SAS card is required for SAS devices support
Expansion Slots	2 x PCIe Gen5 x16 FHFL slots for GPU 2 x PCIe Gen5 x16 FHHL slots 2 x PCIe Gen5 x16 OCP 3.0 slots - Supporte NCSI function
Front I/O	2 x USB 3.2 Gen1
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN

Backplane I/O	PCIe Gen4 x4 or SATA 6Gb/s on front side SATA 6Gb/s on rear side
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Power Supply	Dual 2400W 80 PLUS Platinum redundant power supply AC Input: 100-240V
System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 9 / 9.1 (x64) SLES 15 SP4 (x64) Ubuntu 20.04.5 LTS / 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2.1
System Fans	4 x 80x80x38mm (18,300rpm)
Operating Properties	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)
Packaging Content	1 x R283-Z93 2 x CPU heatsinks 1 x Rail kit
Reference Numbers	Barebone package: 6NR283Z93DR000AAF1* - Motherboard: 9MZ93FS0UR-000 - Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-553202-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-224000-D0S

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