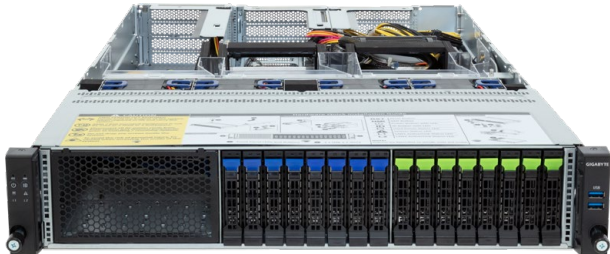# GIGABYTE™

R283-ZF1-AAL1

Rack Server - 2U DP 4-GPU 16-Bay NVMe/SATA

AMD EPYC

Features

- Supports up to 4 x Dual slot Gen5 GPU cards
- Dual AMD EPYC™ 9004 Series processors
- 12-Channel RDIMM DDR5, 24 x DIMMs
- Dual ROM Architecture
- 1 x Dedicated management port
- 4 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
- 4 x 2.5" Gen5 NVMe hot-swappable bays
- 8 x 2.5" SATA/SAS4 hot-swappable bays
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- Dual 2700W 80 PLUS Titanium redundant power supply

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	**Backplane I/O**	PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
Motherboard	MZF3-GP0	**TPM**	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
CPU	AMD EPYC™ 9004 series processor AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Dual processors, 5nm technology cTDP up to 300W at ambient 30°C 2 x LGA 6096 Socket SP5	**Power Supply**	Dual 2700W 80 PLUS Titanium redundant power supply AC Input: 100-240V
		System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip	**OS Compatibility**	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP5 Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor r 8.2 LTSR CU1
Memory	24 x DIMM slots, 12-Channel DDR5, up to 4800 MHz RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported		
LAN	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	**System Fans**	1 x 40x40x28mm (34,000rpm) 4 x 80x80x56mm (15,500rpm)
		Operating Properties	Operating temperature: 10°C to 30°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	4 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays 4 x 2.5" Gen5 NVMe hot-swappable bays 8 x 2.5" SATA/SAS4 hot-swappable bays SAS card is required for SAS devices support		
		Packaging Content	1 x R283-ZF1, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
Expansion Slots	4 x FHFL PCIe Gen5 x16 slots for GPUs 1 x FHHL PCIe Gen5 x16 slot 1 x OCP 3.0 Gen5 x16 slot	**Reference Numbers**	Barebone package: 6NR283ZF1DR000AAL1* - Motherboard: 9MZF3GP0UR-000 - 2-Section Rail kit (CMA not supported): 25HB2-3A0206-K0R - CPU heatsink: 25ST1-4Z3200-S7R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-227000-D0S
Front I/O	2 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		

Learn more about GIGABYTE server, visit **www.gigabyte.com/Enterprise**

Engineered by

GIGA COMPUTING

Giga Computing | @GIGABYTEServer | GIGABYTEServer | GIGABYTEChannel