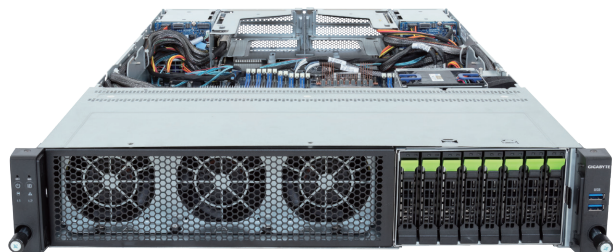# GIGABYTE™

R283-ZK0-AAL1

Rack Server - 2U DP 8+4-Bay Gen5 NVMe/SATA

AMD EPYC

Features

- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 48 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 2.5" Gen5 NVMe hot-swappable bays
- 4 x 2.5" SATA/SAS-4 hot-swappable bays on the rear side
- 2 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 4 x FHHL PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2700W 80 PLUS Titanium redundant power supplies

Application

Networking, Hybrid/Private Cloud Server

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)		**Backplane Board**	Speed and bandwidth: Front - CBP2081: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s Rear - CBP2025: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Motherboard	MZK3-LM0			
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 500W		**TPM**	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012
Socket	2 x LGA 6096 (Socket SP5)		**Power Supply**	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	System on Chip			
Memory	12-Channel DDR5 RDIMM, 48 x DIMMs [EPYC 9005] RDIMM: Up to 5200 MT/s (1DPC), 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] RDIMM: Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)		**System Management**	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
			OS Support	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
LAN	2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) - Support NCSI function 1 x 10/100/1000 management LAN		**System Fans**	4 x 80x80x80mm (13,000rpm)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP		**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)
Storage	Front: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays *Storage card is required to support SATA and SAS drives. Rear: 4 x 2.5" SATA/SAS-4 hot-swap bays *SAS card is required to support SAS drives. 1 x M.2 (2280/22110), PCIe Gen3 x4, 1 x M.2 (2280/22110), PCIe Gen3 x2			
			Packaging Content	1 x R283-ZK0-AAL1, 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit Packaging Dimensions: 1077 x 679 x 300 mm
Expansion Slots	4 x FHHL PCIe Gen5 x16 slots 2 x OCP 3.0 Gen5 x16 slots - Support NCSI function		**Part Numbers**	Barebone package (EPYC 9005/9004): 6NR283ZK0DR000ACL1* Barebone package (EPYC 9004): 6NR283ZK0DR000AAL1* Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R
I/O ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN			

Learn more at **https://www.GIGABYTE.com/enterprise**

Designed by

GIGA COMPUTING