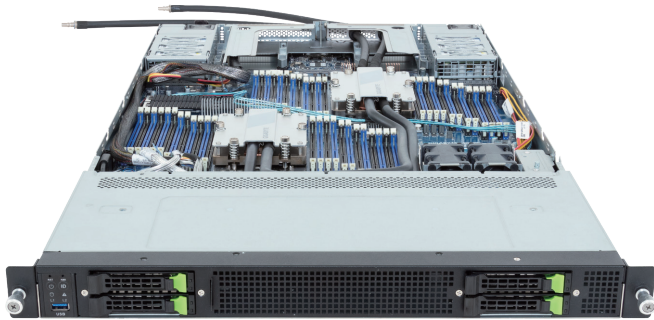# GIGABYTE™

R183-ZK0-LAJ1

Rack Server - 1U DP 4-Bay NVMe/SATA DLC

AMD EPYC

Features

- Direct liquid cooling solution
- 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
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 1 x FHHL PCIe Gen5 x16 slot
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 1+1 2000W 80 PLUS Titanium redundant power supplies

Application

Networking, Hybrid/Private Cloud Server

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)	**Backplane Board**	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Motherboard	MZK3-LM0	**TPM**	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM012)
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 500W	**Power Supply**	1+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Socket	2 x LGA 6096 (Socket SP5)	**System Management**	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	**OS Support**	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
Memory	12-Channel DDR5 RDIMM, 48 x DIMMs [EPYC 9005] Up to 5200 MT/s (1DPC), 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	**System Fans**	2 x 40x40x28mm (34,000rpm), 6 x 40x40x56mm (38,000rpm)
LAN	2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) - Support NCSI function 1 x 10/100/1000 management LAN	**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)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	**Packaging Content**	1 x R183-ZK0-LAJ1, 1 x GIGABYTE CPU cold plate loop 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit Packaging Dimensions: 1086 x 588 x 261 mm
Storage	Front hot-swap: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 *SAS card is required to support SAS drives. Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x2	**Part Numbers**	Barebone w/ cold plates: - EPYC 9005/9004: 6NR183ZK0DR000LCJ1* - EPYC 9004: 6NR183ZK0DR000LAJ1* Barebone w/o cold plates: - EPYC 9005/9004: 6NR183ZK0DZ000LCJ1* - EPYC 9004: 6NR183ZK0DZ000LAJ1* Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R
Expansion Slots	1 x FHHL PCIe Gen5 x16 slot 2 x OCP 3.0 Gen5 x16 slots - Support NCSI function		
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**

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