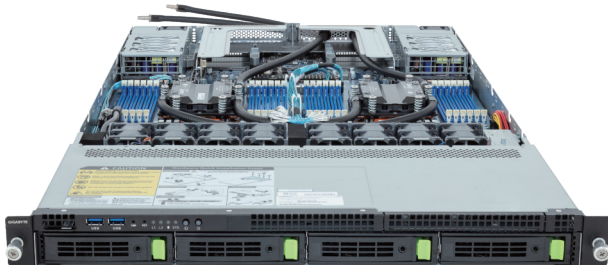# GIGABYTE™

R183-Z90-LAD1

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

AMD EPYC

Key Features

- Direct liquid cooling solution
- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 3 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
- Dual 1600W 80 PLUS Platinum redundant power supply

Application

Networking, Hybrid/Private Cloud Server...

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)	**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
Motherboard	MZ93-FS0	**Backplane Board**	Bandwidth: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W	**Security Modules**	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010
Sock	2 x LGA 6096 (Socket SP5)	**Power Supply**	Dual 1600W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	System on Chip	**System Management**	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	24 x DIMM slots 12-Channel DDR5 RDIMM [EPYC 9005] Up to 6000 MT/s [EPYC 9004] Up to 4800 MT/s	**OS Support**	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN	**System Fans**	8 x 40x40x56mm (32,000rpm)
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 hot-swap: 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS *SAS card is required to support SAS drives. Internal M.2: 2 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x2	**Packaging Content**	1 x R183-Z90-LAD1, 1 x CoolIT 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
RAID	Require RAID add-in cards	**Part Numbers**	Barebone w/ cold plates: 6NR183Z90DR000LCD1* Barebone w/o cold plates: 6NR183Z90DZ000LCD1* Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - CoolIT Leak sensor board: 6NR183Z90S1000LAD10 - RMA packaging: 6NR183Z90SR-RMA-L100
Expansion Slots	1 x FHHL PCIe Gen5 x16 slot 2 x OCP NIC 3.0 PCIe Gen5 x16 slots - Supports NCSI function		

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

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