

# R183-Z90-AAD1

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



## Key Features

- Dual AMD EPYC™ 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
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Compatible with SupremeRAID™ by Graid Technology
- Dual 1600W 80 PLUS Platinum redundant power supply

## Application

Networking, Hybrid/Private Cloud Server...

## Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D815 mm)	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
<b>Motherboard</b>	MZ93-FS0	<b>Backplane Board</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>CPU</b>	AMD EPYC™ 9005/9004 Series Processors Dual processors, cTDP up to 300W - OCP NIC 3.0 $\leq$ 21W at 30°C ambient, EPYC 9654 cTDP up to 400W	<b>Security Modules</b>	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010
<b>Socket</b>	2 x LGA 6096 (Socket SP5)	<b>Power Supply</b>	Dual 1600W 80 PLUS Platinum redundant power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>Memory</b>	24 x DIMM slots 12-Channel DDR5 RDIMM Up to 4800 MT/s	<b>OS Support</b>	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
<b>LAN</b>	2 x 1Gb/s LAN (1 x Intel® I350-AM2) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN	<b>System Fans</b>	8 x 40x40x56mm (32,000rpm)
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Operating Properties</b>	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)
<b>Storage</b>	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	<b>Packaging Content</b>	1 x R183-Z90-AAD1, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit Packaging Dimensions: 1045 x 595 x 249 mm
<b>RAID</b>	Require RAID add-in cards Optional compatible RAID cards: NVMe RAID Cards with SupremeRAID™ by Graid Technology RAID Card models: SR-1001-ED4 Support RAID 0/1/5/6/10	<b>Part Numbers</b>	Barebone package (EPYC 9005/9004): 6NR183Z90DR000ABD1* Barebone package (EPYC 9004): 6NR183Z90DR000AAD1* Optional parts: - RAID card (SR-1001-ED4): 25FC1-SR1000-AFS - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - RMA packaging: 6NR183Z90SR-RMA-A100
<b>Expansion Slots</b>	2 x FHHL PCIe Gen5 x16 slots 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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