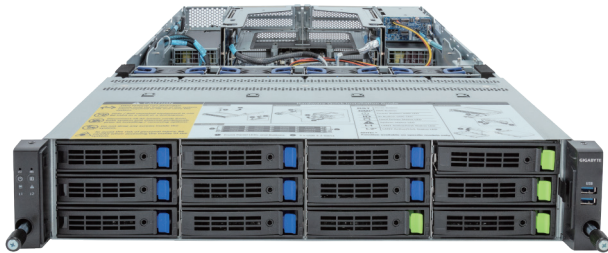


# R283-Z91-AAD1

Rack Server - 2U DP 12+2-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
- 8 x 3.5"/2.5" SATA/SAS hot-swap bays
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- Onboard 12Gb/s SAS expander
- 3 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 6 x FHHL PCIe Gen5 x16 and x8 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 1600W 80 PLUS Platinum redundant power supply

## Application

Networking

## Specification

<b>Dimensions</b>	2U (W438 x H87 x D815 mm)
<b>Motherboard</b>	MZ93-FS0
<b>CPU</b>	AMD EPYC™ 9005/9004 Series Processors Dual processor, cTDP up to 300W - EPYC 9654 cTDP up to 400W
<b>Sock</b>	2 x LGA 6096 (Socket SP5)
<b>Chipset</b>	System on Chip
<b>Memory</b>	12-Channel DDR5 RDIMM, 24 x DIMMs Up to 4800 MT/s
<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>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP
<b>Storage</b>	Front hot-swap: 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS + 8 x 3.5"/2.5" SATA/SAS Rear hot-swap: 2 x 2.5" SATA/SAS *Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x24R expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port  Internal M.2: 2 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x2
<b>RAID</b>	Require RAID add-in cards
<b>Expansion Slots</b>	4 x FHHL PCIe Gen5 x16 slots 2 x FHHL PCIe Gen5 x8 slots 2 x OCP NIC 3.0 PCIe Gen5 x16 slots

<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>Backplane Board</b>	Front - CBP21C1: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s Rear - CBP2022: SATA 6Gb/s or SAS 12Gb/s
<b>Security Modules</b>	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010
<b>Power Supply</b>	Dual 1600W 80 PLUS Platinum redundant power supply AC Input: 100-240V
<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>OS Support</b>	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
<b>System Fans</b>	4 x 80x80x38mm (18,300rpm)
<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>Packaging Content</b>	1 x R283-Z91-AAD1, 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
<b>Part Numbers</b>	Barebone package (EPYC 9005/9004): 6NR283Z91DR000ABD1* Barebone package (EPYC 9004): 6NR283Z91DR000AAD1*  Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - RMA packaging: 6NR283Z91SR-RMA-A100-A100



Learn more at <https://www.GIGABYTE.com/enterprise>

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