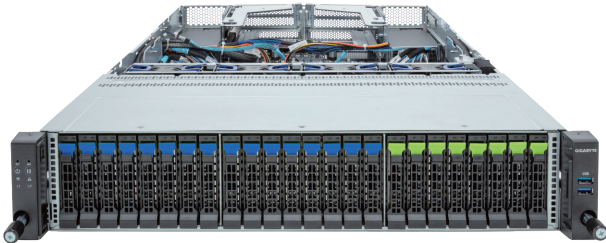


# R283-Z96-AAE3

Rack Server - 2U DP 24-Bay NVMe/SATA



## Key Features

- 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
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 16 x 2.5" SATA/SAS-4 hot-swap bays
- 3 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 3 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 2 x 2000W 80 PLUS Platinum redundant power supply

## Application

Networking, Hybrid/Private Cloud Server...

## Specification

**Dimensions** 2U (W438 x H87.5 x D815 mm)

**Motherboard** MZ93-FS1

**CPU** AMD EPYC™ 9005 Series Processors  
AMD EPYC™ 9004 Series Processors  
Dual processors, cTDP up to 400W  
- cTDP up to 500W with optional heatsink

**Socket** 2 x LGA 6096 (Socket SP5)

**Chipset** System on Chip

**Memory** 12-Channel DDR5 RDIMM, 24 x DIMMs  
[EPYC 9005] Up to 6000 MT/s  
[EPYC 9004] Up to 4800 MT/s

**LAN** 2 x 1Gb/s LAN (1 x Intel® I350-AM2) - Supports NCSI function  
1 x 10/100/1000 Mbps Management LAN

**Video** Integrated in ASPEED® AST2600 - 1 x Mini-DP

**Storage** Front hot-swap:  
8 x 2.5" Gen5 NVMe  
16 x 2.5" SATA/SAS-4  
\*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

**RAID** Require RAID add-in cards

**Expansion Slots** 1 x FHHL PCIe Gen5 x16 slot  
1 x OCP NIC 3.0 PCIe Gen5 x16 slot - Supports NCSI function

**I/O Ports** Front: 2 x USB 3.2 Gen1  
Rear: 2 x USB 3.2 Gen1, 2 x Mini-DP, 1 x RJ45, 1 x MLAN

**Backplane Board** Speed and bandwidth:  
PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s

**Security Modules** 1 x TPM header with SPI interface  
- Optional TPM2.0 kit: CTM010

**Power Supply** 2 x 2000W 80 PLUS Platinum redundant power supply  
AC Input: 100-240V

**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

**System Fans** 4 x 80x80x38mm (18,300rpm)

**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)

**Packaging Content** 1 x R283-Z96-AAE3, 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

**Part Numbers** Barebone package: 6NR283Z96DR000ACE3\*  
Optional parts:  
- 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R  
- Cable Management Arm: 25HB1-R18300-K0R  
- CPU heatsink (500W): 25ST1-563400-C1R  
- RMA packaging: 6NR283Z96SR-RMA-A100



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

\* All specifications are subject to change without notice. Please visit our website for the latest information.  
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