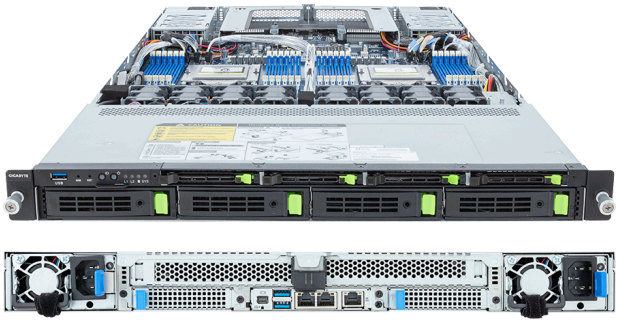
GIGABYTE™

# R183-Z96-AAV1

Rack Server - 1U DP 8-Bay Gen5 NVMe/SATA/SAS-4 Titanium



## 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" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 2.5" 9.5mm Gen5 NVMe/SATA/SAS-4 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
- Dual 1600W 80 PLUS Titanium redundant power supply

## Applications

Networks Server, Servers for Hybrid/Private Cloud...

## Specification

| | |
|---|---|
| Dimensions | 1U (W438 x H43.5 x D815 mm) |
| Motherboard | MZ93-FS1 |
| CPU | AMD EPYC™ 9005 Series Processors<br>AMD EPYC™ 9004 Series Processors<br>Dual processor, cTDP up to 300W<br>- OCP NIC 3.0 ≦ 21W at 30°C ambient, EPYC 9654 cTDP up to 400W<br>*cTDP supported up to 400W under limited thermal conditions. |
| OS Compatibility | OS Support List |
| Socket | 2 x LGA 6096 (Socket SP5) |
| Chipset | System on Chip |
| Memory | 12-Channel DDR5 RDIMM, 24 x DIMMs<br>Up to 4800 MT/s |
| LAN | 2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN |
| Video | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP |
| Storage | **Front hot-swap:**<br>4 x 3.5"/2.5" Gen5 NVMe/SATA/**SAS-4** [1]<br>4 x 2.5" 9.5mm Gen5 NVMe/SATA/**SAS-4** [1]<br>**Internal M.2:**<br>2 x M.2 (2280/22110), PCIe Gen3 x4<br>1 x M.2 (2280/22110), PCIe Gen3 x2<br>[1] SAS card is required to support SAS drives. |
| RAID | Require RAID add-in cards |
| PCIe Expansion Slots | 2 x FHHL PCIe Gen5 x16<br>2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI |
| I/O Ports | **Front:**<br>1 x USB 3.2 Gen1<br>**Rear:**<br>2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN |
| Backplane Board | PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s |
| TPM | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010 |
| Power Supply | Dual 1600W 80 PLUS Titanium redundant power supply<br>AC Input: 100-240V |
| System Management | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| System Fans | 8 x 40x40x56mm |
| Operating Properties | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) |
| Packaging Content | 1 x R183-Z96-AAV1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable<br>1 x 2-Section Rail kit |
| Ordering Part Numbers | 6NR183Z96DR000ABV1* |
| Optional Parts | - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R<br>- Cable Management Arm: 25HB1-R18300-K0R |

Learn more at: https://www.gigabyte.com/Enterprise

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