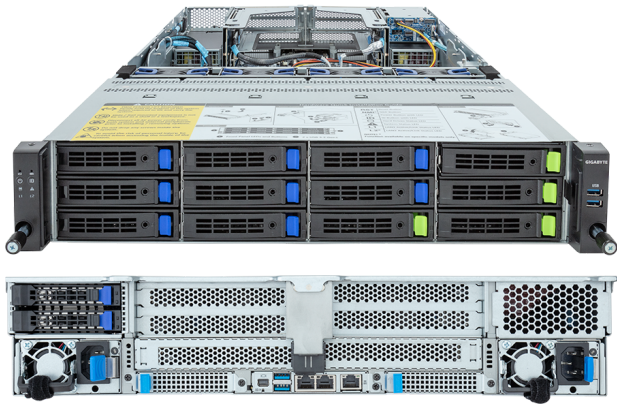


# R283-Z91-AAD1

Rack Server - 2U DP 12+2-Bay Gen4 NVMe/SATA/SAS with expander  
Platinum



### 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

### Applications

Networks Server...

### Specification

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                                                                                                                     |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| Dimensions       | 2U (W438 x H87 x D815 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                      | PCIe Expansion Slots  | 6 x FHHL PCIe Gen5 x16 and x8<br>2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI                                        |
| Motherboard      | MZ93-FS0                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I/O Ports             | <b>Front:</b><br>2 x USB 3.2 Gen1<br><b>Rear:</b><br>2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN              |
| CPU              | AMD EPYC™ 9005 Series Processors<br>AMD EPYC™ 9004 Series Processors<br>Dual processor, cTDP up to 300W<br>- EPYC 9654 cTDP up to 400W                                                                                                                                                                                                                                                                                                                         | Backplane Board       | <b>Front - CBP21C1:</b> PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s<br><b>Rear - CBP2022:</b> SATA 6Gb/s or SAS 12Gb/s |
| OS Compatibility | <a href="#">OS Support List</a>                                                                                                                                                                                                                                                                                                                                                                                                                                | TPM                   | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010                                                                   |
| Socket           | 2 x LGA 6096 (Socket SP5)                                                                                                                                                                                                                                                                                                                                                                                                                                      | Power Supply          | Dual 1600W 80 PLUS Platinum redundant power supply<br>AC Input: 100-240V                                            |
| Chipset          | System on Chip                                                                                                                                                                                                                                                                                                                                                                                                                                                 | System Management     | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                        |
| Memory           | 12-Channel DDR5 RDIMM, 24 x DIMMs<br>Up to 4800 MT/s                                                                                                                                                                                                                                                                                                                                                                                                           | System Fans           | 4 x 80x80x38mm (18,300rpm)                                                                                          |
| LAN              | 2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN                                                                                                                                                                                                                                                                                                                                                                       | 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)    |
| Video            | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP                                                                                                                                                                                                                                                                                                                                                                                                                 | Packaging Content     | 1 x R283-Z91-AAD1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable<br>1 x 2-Section Rail kit                      |
| Storage          | <b>Front hot-swap:</b><br>4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS <sup>[1]</sup><br>8 x 3.5"/2.5" <b>SATA/SAS</b> <sup>[1]</sup><br><b>Rear hot-swap:</b><br>2 x 2.5" <b>SATA/SAS</b> <sup>[1]</sup><br><b>Internal M.2:</b><br>2 x M.2 (2280/22110), PCIe Gen3 x4<br>1 x M.2 (2280/22110), PCIe Gen3 x2<br><sup>[1]</sup> Storage card is required to enable SATA and SAS drives.<br>- Broadcom SAS35x24R expander<br>- Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port | Ordering Part Numbers | 6NR283Z91DR000ABD1*                                                                                                 |
| RAID             | Require RAID add-in cards                                                                                                                                                                                                                                                                                                                                                                                                                                      | 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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