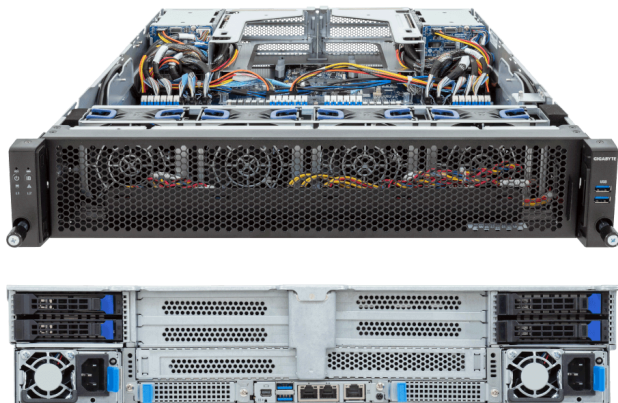


# E283-Z91-AAD1 (Rev. 3.x)

Edge Server - AMD EPYC™ 9005/9004 Server Processors -  
2U DP 4-Bay SATA/SAS-4 Platinum



## Key Features

- Dual AMD EPYC™ 9005/9004 Server Processors
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x M.2 slots with PCIe Gen3 x4 and x2
- 6 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 1600 W 80 PLUS Platinum redundant power supplies

## Applications

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

## Specification

|                         |   |                              |  |
|-------------------------|---|------------------------------|--|
| <b>Dimensions</b>       | 2U (W438 x H87.5 x D625 mm)   | <b>PCIe Expansion Slots</b>  | 6 x FHHL x16 (Gen5 x16)<br>2 x OCP NIC 3.0 (Gen5 x16), Support NCSI  |
| <b>Motherboard</b>      | MZ93-FS1  | <b>I/O Ports</b>             | <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                       |
| <b>CPU</b>              | AMD EPYC™ 9005 Server Processors<br>AMD EPYC™ 9004 Server Processors<br>Dual processors<br>- cTDP up to 400 W (-ACD1)<br>- cTDP up to 500 W (-ADD1)   | <b>Backplane Board</b>       | SATA 6 Gb/s or SAS-4 24 Gb/s   |
| <b>OS Compatibility</b> | <a href="#">OS Support List</a>   | <b>TPM</b>                   | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010   |
| <b>Socket</b>           | 2 x LGA 6096 (Socket SP5)   | <b>Power Supply</b>          | Dual 1600 W 80 PLUS Platinum redundant power supplies<br>AC Input: 100-240 V   |
| <b>Chipset</b>          | System on Chip  | <b>System Management</b>     | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                                 |
| <b>Memory</b>           | 12-Channel DDR5 RDIMM, 24 x DIMMs<br>[EPYC 9005] Up to 6400 MT/s<br>[EPYC 9004] Up to 4800 MT/s   | <b>System Fans</b>           | 4 x 80x80x38mm   |
| <b>LAN</b>              | 2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN   | <b>Operating Properties</b>  | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)             |
| <b>Video</b>            | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP  | <b>Packaging Content</b>     | 1 x E283-Z91-AAD1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable   |
| <b>Storage</b>          | <b>Rear hot-swap:</b><br>4 x 2.5" SATA/SAS-4 [1]<br><b>Internal M.2:</b><br>1 x M.2 (2280/22110), PCIe Gen3 x4<br>1 x M.2 (2280/22110), PCIe Gen3 x2<br><br>[1] SAS card is required to support SAS drives. | <b>Ordering Part Numbers</b> | Up to 400 W CPU: 6NE283Z91DR000ACD1*<br>Up to 500 W CPU: 6NE283Z91DR000ADD1*   |
| <b>RAID</b>             | Require RAID add-in cards   | <b>Optional Parts</b>        | - 2-Section Rail kit (385-480mm): 25HB2-3A0204-K0R ( <b>MOQ: 500</b> )<br>- 2-Section Rail kit (660-840mm): 25HB2-3A0203-K0R |



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

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