

# R185-D91-AS1

Rack Server - AMD EPYC™ 9006 SP7 Server Processors -  
1U DP 12-Bay Gen5 NVMe/SATA/SAS-4



## Key Features

- Dual AMD EPYC™ 9006 SP7 Server processors
- 16-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 3 x M.2 slots with PCIe Gen4 x4 and x2
- 2 x LP PCIe x16 slots with Gen6 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen6 x16 slot
- 2 x 3200 W 80 PLUS Titanium redundant power supplies

## Applications

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

## Specification

|                    |                                                                                                                                                                                                                                                                                |                              |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>  | 1U (W438 x H43.5 x D815 mm)                                                                                                                                                                                                                                                    | <b>PCIe Expansion Slots</b>  | 2 x LP x16 (Gen6 x16)<br>1 x OCP NIC 3.0 (Gen6 x16), Support NCSI                                                                    |
| <b>Motherboard</b> | MD95-F50                                                                                                                                                                                                                                                                       | <b>I/O Ports</b>             | <b>Front:</b><br>1 x USB 3.2 Gen1<br><b>Rear:</b><br>2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN                                         |
| <b>CPU</b>         | AMD EPYC™ 9006 SP7 Server processors<br>Dual processors, PPT up to 400 W<br>- At 25°C ambient, PPT up to 500 W                                                                                                                                                                 | <b>TPM</b>                   | 2 x TPM headers (SPI), Optional TPM 2.0 kit: CTM012                                                                                  |
| <b>Socket</b>      | 2 x LGA 7536 (Socket SP7)                                                                                                                                                                                                                                                      | <b>Power Supply</b>          | 2 x 3200 W 80 PLUS Titanium redundant power supplies<br>AC Input: 100-240 V<br><br>*The system power supply requires C19 power cord. |
| <b>Chipset</b>     | Integrated into SoC                                                                                                                                                                                                                                                            | <b>System Fans</b>           | 8 x 40x40x56mm                                                                                                                       |
| <b>Memory</b>      | 16-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs<br>[RDIMM] Up to 8000 MT/s<br>[MRDIMM] Up to 12800 MT/s <sup>[1]</sup><br><br><sup>[1]</sup> MRDIMMs are supported only on select CPU SKUs.                                                                                           | <b>Operating Properties</b>  | Operating: 10°C to 30°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)                     |
| <b>LAN</b>         | 1 x Management LAN                                                                                                                                                                                                                                                             | <b>Packaging Content</b>     | 1 x R185-D91-AS1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable<br>1 x 2-Section Rail kit                                        |
| <b>Video</b>       | Integrated in ASPEED® AST2700<br>- 1 x Mini-DP                                                                                                                                                                                                                                 | <b>Ordering Part Numbers</b> | 6NR185D91HR000AS1*                                                                                                                   |
| <b>Storage</b>     | <b>Front hot-swap:</b><br>12 x 2.5" Gen5 NVMe/SATA/SAS-4 <sup>[1]</sup><br><b>Internal M.2:</b><br>2 x M.2 (2242/2260/2280/22110), PCIe Gen4 x4<br>1 x M.2 (2242/2260/2280/22110), PCIe Gen4 x2<br><br><sup>[1]</sup> Storage card(s) required to support SATA and SAS drives. | <b>Optional Parts</b>        | - 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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