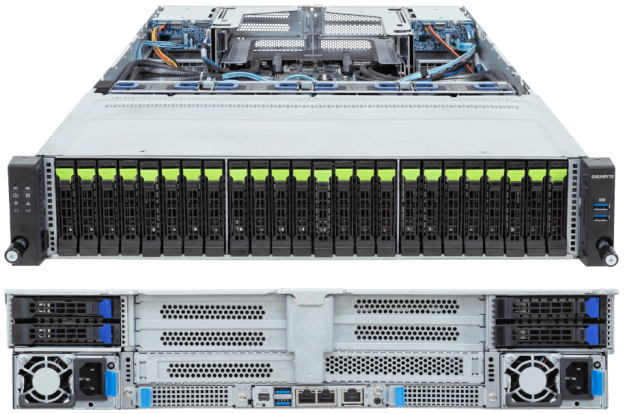
GIGABYTE™

# R283-S92-AAE1

Rack Server - 5th/4th Gen Intel® Xeon® Scalable Processors - 2U, DP, 24+4-Bay Gen4 NVMe/SATA/SAS (24 x NVMe), Platinum



## Key Features

- Dual 5th/4th Gen Intel® Xeon® Scalable processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM per CPU with 32 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 12 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 12 x 2.5" Gen4 NVMe hot-swapbays
- 4 x 2.5" SATA/SAS hot-swap bays on the rear side
- 4 x FHHL PCIe x16 slots with Gen5 x16 lanes
- Compatible with SupremeRAID™ by Graid Technology
- 1+1 2000 W 80 PLUS Platinum redundant power supplies

## Specification

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|---|---|
| **Dimensions** | 2U (W438 x H87.5 x D815 mm) |
| **Motherboard** | MS93-FS0 |
| **CPU** | 5th Generation Intel® Xeon® Scalable processors<br>4th Generation Intel® Xeon® Scalable processors<br>Intel® Xeon® CPU Max Series<br>Dual processors, TDP up to 350 W |
| **OS Compatibility** | OS Support List |
| **Socket** | 2 x LGA 4677 (Socket E) |
| **Chipset** | Intel® C741 |
| **Memory** | 8-Channel DDR5 RDIMM, 32 x DIMMs<br>[5th Gen Intel Xeon] Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC)<br>[4th Gen Intel Xeon] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)<br>[Intel Xeon Max Series] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) |
| **LAN** | 2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN |
| **Video** | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP |
| **Storage** | **Front hot-swap:**<br>12 x 2.5" Gen4 NVMe/SATA**/SAS** [1]<br>12 x 2.5" Gen4 NVMe<br>**Rear hot-swap:**<br>4 x 2.5" SATA**/SAS** [1]<br><br>[1] SAS card is required to support SAS drives. |
| **RAID** | Intel® SATA RAID 0/1/10/5<br>Onboard VROC key header<br><br>**Optional compatible RAID Cards:**<br>NVMe/NVMe-oF RAID Cards with SupremeRAID™ by Graid Technology<br>RAID Card models: SR-1000-ED12, SR-1000-FD32, SR-1010-FD32<br>Support RAID 0/1/5/6/10 |

| | |
|---|---|
| **PCIe Expansion Slots** | 4 x FHHL x16 (Gen5 x16) |
| **I/O Ports** | **Front:**<br>2 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** | Front: PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s<br>Rear: SATA 6 Gb/s or SAS 12 Gb/s |
| **TPM** | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010 |
| **Power Supply** | 1+1 2000 W 80 PLUS Platinum redundant power supplies<br>AC Input: 100-240 V |
| **System Management** | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **System Fans** | 4 x 80x80x38mm |
| **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 R283-S92-AAE1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable<br>6 x CPU carriers<br>1 x 2-Section Rail kit |
| **Ordering Part Numbers** | 6NR283S92DR000ABE1* |
| **Optional Parts** | - RAID card (SR-1000-ED12): 25FC1-SR1000-AFS<br>- RAID card (SR-1000-FD32): 25FC1-SRBUN0-AFS<br>- RAID card (SR-1010-ED32): 25FC1-SRBUN4-AFR<br>- 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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