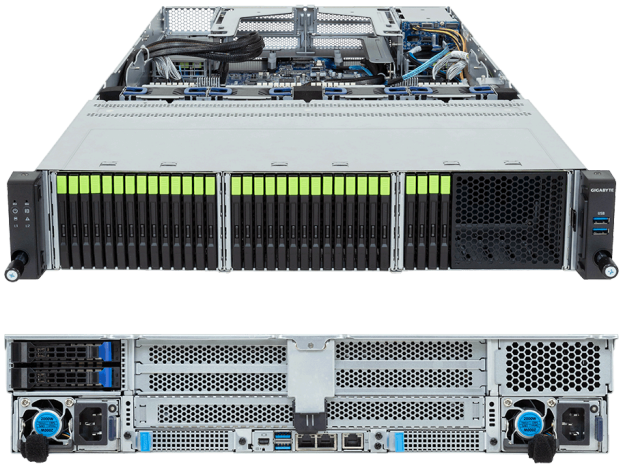
GIGABYTE™

R284-S91-AAJ1

Rack Server - Intel® Xeon® 6700/6500-Series Processors - 2U DP 32-Bay E3.S Gen5 NVMe + 2-Bay SATA/SAS-4



Key Features

- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 32 x E3.S Gen5 NVMe hot-swap bays
- 2 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x M.2 slots with PCIe Gen5 x4
- 1 x FHHL PCIe x16 slot with Gen5 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 2000 W 80 PLUS Titanium redundant power supplies

Applications

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

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)
Motherboard	MS94-FS0
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processors, TDP up to 350 W
OS Compatibility	OS Support List
Socket	2 x LGA 4710 (Socket E2)
Chipset	System on Chip
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Front hot-swap:** 32 x E3.S Gen5 NVMe **Rear hot-swap:** 2 x 2.5" SATA/**SAS-4** [1] **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen5 x4 [1] SAS card is required to support SAS drives.
PCIe Expansion Slots	1 x FHHL x16 (Gen5 x16) 1 x OCP NIC 3.0 (Gen5 x16), Support NCSI
I/O Ports	**Front:** 2 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Power Supply	1+1 2000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
System Fans	4 x 80x80x38mm
Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Packaging Content	1 x R284-S91-AAJ1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 4 x Carriers 1 x 2-Section Rail kit
Ordering Part Numbers	6NR284S91DR000AAJ1*
Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R

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

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Last updated: Jun 15, 2026

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