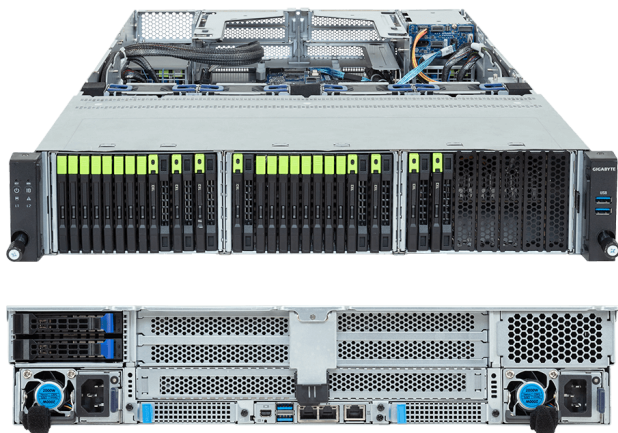
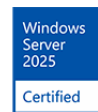
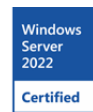


R284-S91-AAJ2

Rack Server - Intel® Xeon® 6 -
2U DP 16-Bay E3.S Gen5 NVMe + 8 x E3.S 2T CXL



Key Features

- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 32 x DIMMs
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 16 x E3.S Gen5 NVMe hot-swap bays
- 8 x E3.S 2T bays for CXL memory expansion modules
- 2 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 2000W 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)	RAID	Require RAID add-in cards Onboard VROC key header
Motherboard	MS94-FS0	PCIe Expansion Slots	1 x FHHL PCIe Gen5 x16 1 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350W	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
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Socket	2 x LGA 4710 (Socket E2)	Power Supply	1+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Fans	4 x 80x80x38mm
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s ^[1] 8 x E3.S 2T (Gen5 x8) CXL memory expansion modules ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.	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)
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Packaging Content	1 x R284-S91-AAJ2 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 4 x Carriers 1 x 2-Section Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Ordering Part Numbers	6NR284S91DR000AAJ2*
Storage	Front hot-swap: 16 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.	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>

* All specifications are subject to change without notice. Please visit our website for the latest information.

* All trademarks and logos are the properties of their respective holders.

© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Feb 2, 2026

Designed by