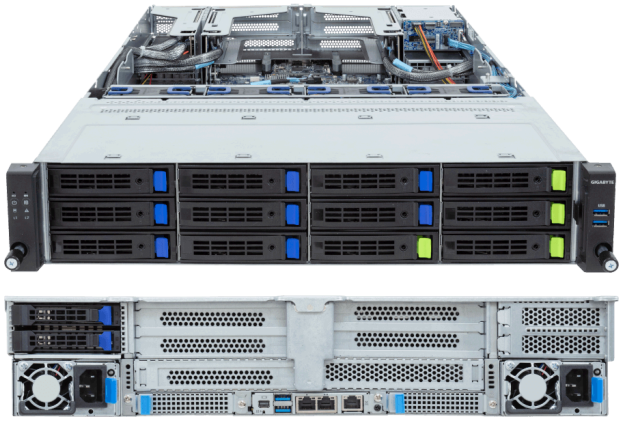
GIGABYTE™

R283-S90-AAE1

Rack Server - 5th/4th Gen Intel® Xeon® Scalable Processors - 2U, DP, 12+2-Bay Gen4 NVMe/SATA/SAS (4 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
- 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 8 x 3.5"/2.5" SATA/SAS hot-swap bays
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- 6 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 2 x LP PCIe x16 slots with Gen5 x8 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Compatible with SupremeRAID™ by Graid Technology
- 1+1 2000 W 80 PLUS Platinum redundant power supplies

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)
Motherboard	MS93-FS0
CPU	5th Generation Intel® Xeon® Scalable processors 4th Generation Intel® Xeon® Scalable processors Intel® Xeon® CPU Max Series 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 [5th Gen Intel Xeon] Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) [4th Gen Intel Xeon] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) [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 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Front hot-swap:** 4 x 3.5"/2.5" Gen4 NVMe/SATA/**SAS** [1] 8 x 3.5"/2.5" SATA/**SAS** [1] **Rear hot-swap:** 2 x 2.5" SATA/**SAS** [1] [1] SAS card is required to support SAS drives.
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header **Optional compatible RAID Cards:** NVMe RAID Cards with SupremeRAID™ by Graid Technology RAID Card models: SR-1000-ED12, SR-1001-ED4 Support RAID 0/1/5/6/10

PCIe Expansion Slots	6 x FHHL x16 (Gen5 x16) 2 x LP x16 (Gen5 x8) 2 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
Backplane Board	Front: PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s 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 AC Input: 100-240 V
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
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 R283-S90-AAE1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 6 x CPU carriers 1 x 2-Section Rail kit
Ordering Part Numbers	6NR283S90DR000ABE1*
Optional Parts	- RAID card (SR-1000-ED12): 25FC1-SRBUN3-AFS - RAID card (SR-1001-ED4): 25FC1-SR1000-AFS - 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.
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