

# R283-SF1-AAL1

Rack Server - 2U DP 4 x PCIe Gen5 GPUs



## Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 Gen5 x16 slot
- Dual 2700W 80 PLUS Titanium redundant power supply

## Applications

AI Platform, AI Training Server, AI Inference Server, Visual Computing, High-Performance Computing Server, Networks Server, Servers for Hybrid/Private Cloud...

## Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	PCIe Expansion Slots	4 x FHFL PCIe Gen5 x16, for GPUs 1 x FHHL PCIe Gen5 x16 1 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MSF3-GP0	I/O Ports	<b>Front:</b> 2 x USB 3.2 Gen1 <b>Rear:</b> 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
CPU	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 350W	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
OS Compatibility	<a href="#">OS Support List</a>	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Socket	2 x LGA 4677 (Socket E)	Power Supply	Dual 2700W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	Intel® C741	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
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)	System Fans	1 x 40x40x28mm (34,000rpm) 4 x 80x80x38mm (18,300rpm)
LAN	1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C~30°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x R283-SF1-AAL1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x GPU power cable (12VHPWR, 100mm) 1 x GPU power cable (12VHPWR, 300mm) 1 x GPU power cable (12VHPWR, 450mm) 1 x GPU power cable (12VHPWR, 650mm) 6 x Carriers 1 x 2-Section Rail kit
Storage	<b>Front hot-swap:</b> 12 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] 4 x 2.5" SATA/SAS-4 [1] [1]SAS card is required to support SAS drives.	Ordering Part Numbers	6NR283SF1DR000ABL1*
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header Support optional RAID add-in cards	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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