

R284-SF0-AAL1

Rack Server - 2U DP 4 x PCIe Gen5 GPUs



Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 32 x DIMMs
- Dual ROM Architecture
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x FHFL PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe 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 FHFL PCIe Gen5 x16 1 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MSF4-GP0	I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350W	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
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	Dual 2700W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
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] ^[1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores and in a 1DPC configuration.	System Fans	1 x 40x40x28mm 4 x 80x80x56mm
LAN	1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x R284-SF0-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, 280mm) 1 x GPU power cable (12VHPWR, 450mm) 1 x GPU power cable (12VHPWR, 550mm) 4 x Carriers 1 x 2-Section Rail kit
Storage	Front hot-swap: 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen5 x4 ^[1] Storage card is required to support SATA and SAS drives.	Ordering Part Numbers	6NR284SF0DR000AAL1*
RAID	Require RAID add-in cards Onboard VROC key header	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.

© 2025 Giga Computing Technology Co., Ltd. All rights reserved.

Designed by

