R264-SG0-AAS1

Rack Server - 2U UP 4 x PCIe Gen5 GPUs

NVIDIA. | intel XEON
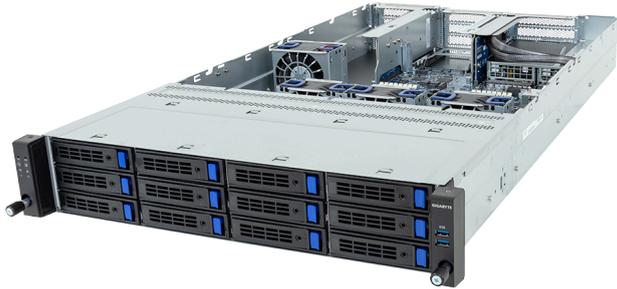
Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Single Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs
- Dual ROM Architecture
- 12 x 3.5"/2.5" SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x2 interface
- 1 x M.2 slot with PCIe Gen5 x2 interface, **shared with SATA**
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 3200W 80 PLUS Titanium redundant power supplies

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 OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MSG4-GU0	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 Single processor, TDP up to 350W		
		Backplane Board	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	1 x LGA 4710 (Socket E2)		
Chipset	System on Chip	Power Supply	1+1 3200W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Memory	8-Channel DDR5 RDIMM / MRDIMM, 16 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 Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
		System Fans	3 x 80x80x38mm (18,300rpm) 1 x 80x80x56mm (15,500rpm)
LAN	1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C~35°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP		
Storage	**Front hot-swap:** 12 x 3.5"/2.5" SATA/**SAS-4** [1] **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen5 x2 1 x M.2 (2280/22110), PCIe Gen5 x2, **shared with SATA** [1] SAS card is required to support SAS drives.	Packaging Content	1 x R264-SG0-AAS1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x GPU power cable (12VHPWR, 250mm) 2 x GPU power cables (12VHPWR, 450mm) 1 x GPU power cable (12VHPWR, 550mm) 2 x Carriers 1 x 2-Section Rail kit
RAID	Require RAID add-in cards Onboard VROC key header	Ordering Part Numbers	6NR264SG0DR000AAS1*
		Optional Parts	- C19 power cord 125V/15A (US): 25CP1-018000-Q0R - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R

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