

# R264-SG5-AAJ1

Rack Server - 2U UP 28-Bay E3.S Gen5 NVMe



## Key Features

- Supports 1 x Dual slot Gen5 GPU
- Single Intel® Xeon® 6 Processors with 136 PCIe lanes, LGA 4710
- 8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs
- Dual ROM Architecture
- 28 x E3.S Gen5 NVMe hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x2 interface
- 1 x FHFL PCIe Gen5 x16 slot for GPUs
- 1+1 2000W 80 PLUS Titanium redundant power supplies

## Applications

AI Platform, AI Inference Server, Visual Computing, Networks Server, Servers for Hybrid/Private Cloud...

## Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	PCIe Expansion Slots	1 x FHFL PCIe Gen5 x16, for GPUs
Motherboard	MSG4-GU1	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	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Single processor, TDP up to 350W <small>*Please select CPUs with 136 PCIe lanes to enable all features.</small>	Backplane Board	PCIe Gen5 x4
OS Compatibility	<a href="#">OS Support List</a>	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)	Power Supply	1+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
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 <sup>[1]</sup> <small><sup>[1]</sup> MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores and in a 1DPC configuration.</small>	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	Packaging Content	1 x R264-SG5-AAJ1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x GPU power cable (12VHPWR, 450mm) 2 x Carriers 1 x 2-Section Rail kit
Storage	<b>Front hot-swap:</b> 28 x E3.S Gen5 NVMe <sup>[1]</sup> <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen5 x2 <small><sup>[1]</sup> Please select CPUs with 136 PCIe lanes to enable all NVMe support.</small>	Ordering Part Numbers	6NR264SG5DR000AAJ1*
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>

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