GIGABYTE™

R264-SG0-AAS1

Rack Server - 2U UP 4 x PCIe Gen5 GPUs

intel XEON

Key Features

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

Application

AI, AI Inference, AI Training, Visual Computing, High-Performance Computing, Networking, Hybrid/Private Cloud Server...

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)		**Backplane Board**	SATA 6Gb/s or SAS-4 24Gb/s
Motherboard	MSG4-GU0		**Security Modules**	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700E-Series Processors - Intel® Xeon® 6700P-Series Processors - Intel® Xeon® 6500P-Series Processors Single processor, TDP up to 350W			1 x PRoT module connector (M.2 M-key) - Optional PRoT module (AST1060 solution): CSC1200
			Power Supply	1+1 3200W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Sock	1 x LGA 4710 (Socket E2)		**System Management**	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip			
Memory	8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMM slots RDIMM: Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) MCR DIMM: Up to 8000 MT/s (*MCR DIMMs are only supported with Intel Xeon 6 Processors with P-cores and in a 1DPC configuration.)		**System Fans**	3 x 80x80x38mm (18,300rpm) 1 x 80x80x56mm (15,500rpm)
			Operating Properties	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
LAN	1 x 10/100/1000 Mbps Management LAN			
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter		**Packaging Content**	1 x R264-SG0-AAS1, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable, 2 x Carriers, 1 x 2-Section Rail kit, 1 x GPU power cable (12VHPWR, 250mm), 2 x GPU power cables (12VHPWR, 450mm), 1 x GPU power cable (12VHPWR, 550mm)
Storage	12 x 3.5"/2.5" SATA/SAS-4* hot-swappable bays *SAS card is required to support SAS drives.			
RAID	Require RAID add-in cards		**Part Numbers**	Barebone package: 6NR264SG0DR000AAS1* - 2-Section Rail kit (CMA not supported): 25HB2-3A0206-K0R - CPU heatsink: 25ST1-4Z3200-S7R - GPU power cable (12VHPWR, 250mm): 25CRI-250107-Y4R - GPU power cable (12VHPWR, 450mm): 25CRI-450101-Y4R - GPU power cable (12VHPWR, 550mm): 25CRI-550107-Y4R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-232000-G1S
Expansion Slots	4 x FHFL PCIe Gen5 x16 slots for GPUs 1 x OCP 3.0 Gen5 x16 slot (supports NCSI function) 1 x M.2 slot (M-key, PCIe Gen5 x2, support 2280/22110 cards)			
I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN			

Learn more about GIGABYTE server at **https://www.gigabyte.com/Enterprise**

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