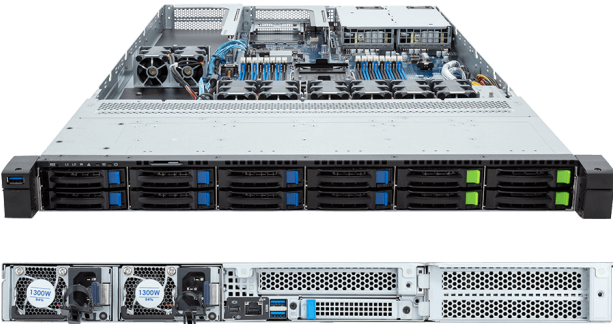
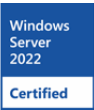


R163-SG2-AAC1

Rack Server - 5th/4th Gen Intel® Xeon® Scalable -
1U UP 1 x PCIe Gen5 GPU



Key Features

- Supports 1 x Dual slot Gen5 GPU
- Single 5th/4th Gen Intel® Xeon® Scalable Processors
- Single Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 16 x DIMMs
- Dual ROM Architecture
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 8 x 2.5" SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 1 x FHFL PCIe Gen5 x16 slot for GPUs
- 1 x FHFL PCIe Gen5 x16 slot
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 1300W 80 PLUS Platinum redundant power supplies

Applications

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

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)	PCIe Expansion Slots	1 x FHFL PCIe Gen5 x16, for GPUs 1 x FHFL PCIe Gen5 x16 1 x FHHL PCIe Gen5 x16 1 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MSG3-GU0	I/O Ports	Front: 1 x USB 3.2 Gen1 Rear: 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 Single 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: CTM010
Socket	1 x LGA 4677	Power Supply	1+1 1300W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
Chipset	Intel® C741	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR5 RDIMM, 16 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	8 x 40x40x56mm
LAN	1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 35°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 R163-SG2-AAC1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x GPU power cable (16-pin, 400mm) 3 x Carriers 1 x 2-Section Rail kit
Storage	Front hot-swap: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] 8 x 2.5" SATA/SAS-4 ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x4 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NR163SG2DR000ABC1*
RAID	Intel® SATA RAID 0/1/10/5 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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