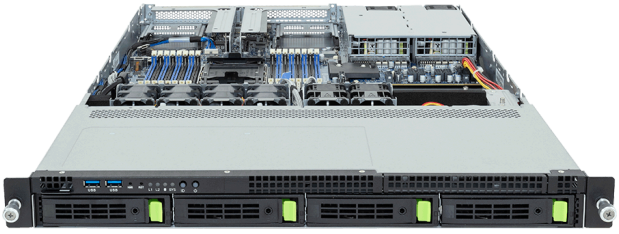
GIGABYTE™

R164-S30-AAG1

Rack Server - Intel® Xeon® 6700/6500-Series Processors - 1U UP 4-Bay Gen5 NVMe/SATA/SAS-4



Key Features

- Single Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 16 x DIMMs
- 1 x 1 Gb/s LAN port via Intel® I210-AT
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x2
- 1 x M.2 slot with PCIe Gen5 x2, **shared with SATA**
- 2 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 800 W 80 PLUS Titanium redundant power supplies

Applications

Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	1U (W438 x H43.5 x D710 mm)
Motherboard	MS34-DC0
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Single processor, TDP up to 350 W
OS Compatibility	OS Support List
Socket	1 x LGA 4710 (Socket E2)
Chipset	System on Chip
Memory	8-Channel DDR5 RDIMM/MRDIMM, 16 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.
LAN	1 x 1 Gb/s LAN (1 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Front hot-swap:** 4 x 3.5"/2.5" Gen5 NVMe/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.
PCIe Expansion Slots	2 x FHHL x16 (Gen5 x16) 2 x OCP NIC 3.0 (Gen5 x16), Support NCSI
I/O Ports	**Front:** 2 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Power Supply	Dual 800 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
System Fans	2 x 40x40x28mm 4 x 40x40x56mm
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)
Packaging Content	1 x R164-S30-AAG1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 2 x Carriers 1 x 2-Section Rail kit
Ordering Part Numbers	6NR164S30DR000AAG1*
Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-A56120-K0R - Cable Management Arm: 25HBZ-R18100-K0R

Learn more at: https://www.gigabyte.com/Enterprise

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