

# R264-S30-AAV1

Rack Server - 2U UP 12-Bay NVMe/SATA



## Key Features

- Single Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 1 x M.2 slot with PCIe Gen5 x2 interface
- 1 x M.2 slot with PCIe Gen5 x2 interface, shared with SATA support
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 1600W 80 PLUS Titanium redundant power supplies

## Application

Networking, Hybrid/Private Cloud Server...

## Specification

**Dimensions** 2U (W438 x H87.5 x D710 mm)

**Motherboard** MS34-DC0

**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

**Sock** 1 x LGA 4710 (Socket E2)

**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.)

**LAN** 1 x 1Gb/s LAN port (1 x Intel® I210-AT) - supports NCSI function  
 1 x 10/100/1000 Mbps Management LAN

**Video** Integrated in ASPEED® AST2600  
 2D Video Graphic Adapter with PCIe bus interface  
 1920x1200@60Hz 32bpp

**Storage** 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4\* hot-swappable bays  
 \*SAS card is required to support SAS drives.

**RAID** Require RAID add-in cards

**Expansion Slots** 1 x FHHL PCIe Gen5 x16 slot  
 1 x OCP 3.0 Gen5 x16 slot (supports NCSI function)  
 2 x M.2 slots (M-key, PCIe Gen5 x2, support 2280/22110 cards)  
 - 1 x M.2 slot is shared with SATA support

**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  
 Internal: 1 x TPM header, 1 x PRoT connector, 1 x VROC connector

**Backplane Board** PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s

**Security Modules** 1 x TPM header with SPI interface  
 - Optional TPM2.0 kit: CTM012  
 1 x PRoT module connector (M.2 M-key)  
 - Optional PRoT module (AST1060 solution): CSC1200

**Power Supply** 1+1 1600W 80 PLUS Titanium redundant power supplies  
 AC Input: 100-240V

**System Management** ASPEED® AST2600 management controller  
 GIGABYTE Management Console (AMI MegaRAC SP-X)

**System Fans** 4 x 80x80x38mm (18,300rpm)

**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)

**Packaging Content** 1 x R264-S30-AAV1  
 1 x CPU heatsink  
 1 x Mini-DP to D-Sub cable  
 2 x Carriers  
 1 x 2-Section Rail kit

**Part Numbers** Barebone package: 6NR264S30DR000AAV1\*  
 - 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R  
 - CPU heatsink: 25ST1-323208-A0R  
 - Mini-DP to D-Sub cable: 25CRN-200801-K1R  
 - Power supply: 25EP0-216001-G1S



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

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