

R284-S90-AAJ1

Rack Server - 2U DP 2U DP 12+2-Bay NVMe/SATA



Key Features

- Dual Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 2 x 2.5" SATA/SAS-4 hot-swappable bays on the rear side
- 2 x M.2 slot with PCIe Gen5 x4 interface
- 2 x FHHL Dual-slot PCIe Gen5 x16 slots
- 2 x FHHL Single-slot PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2000W 80 PLUS Titanium redundant power supplies

Application

Networking, Hybrid/Private Cloud Server...

Specification

Dimensions 2U (W438 x H87.5 x D815 mm)

Motherboard MS94-FS0

CPU Intel® Xeon® 6 Processors
 - Intel® Xeon® 6700E-Series Processors
 - Intel® Xeon® 6700P-Series Processors
 - Intel® Xeon® 6500P-Series Processors
 Dual processors, TDP up to 350W

Sock 2 x LGA 4710 (Socket E2)

Chipset System on Chip

Memory 8-Channel DDR5 RDIMM / MCR DIMM, 32 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 2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) - supports NCSI function
 1 x 10/100/1000 Mbps Management LAN

Storage Front: 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4* hot-swappable bays
 Rear: 2 x 2.5" SATA/SAS-4* hot-swappable bays
 *Storage card is required to support SATA and SAS drives.

RAID Require RAID add-in cards

Expansion Slots 2 x FHHL Dual-slot PCIe Gen5 x16 slots
 2 x FHHL Single-slot PCIe Gen5 x16 slots
 2 x OCP 3.0 Gen5 x16 slots (supports NCSI function)
 2 x M.2 slots (M-key, PCIe Gen5 x4, 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, 2 x RJ45, 1 x MLAN
 Internal: 1 x TPM header, 1 x PRoT connector, 1 x VROC connector

Video ASPEED® AST2600 Integrated 2D Graphic Adapter

Backplane Board Speed and bandwidth:
 Front - CBP20C7: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
 Rear - CBP2025: 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 2000W 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 (16,000rpm)

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 R284-S90-AAJ1
 2 x CPU heatsinks
 1 x Mini-DP to D-Sub cable
 4 x Carriers
 1 x 2-Section Rail kit

Part Numbers Barebone package: 6NR284S90DR000AAJ1*
 - 2-Section Rail kit (CMA not supported): 25HB2-3A0206-K0R
 - CPU heatsink: 25ST1-323208-A0R
 - Mini-DP to D-Sub cable: 25CRN-200801-K1R
 - Power supply: 25EP0-22000L-G1S



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

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