R284-S91-AAJ1

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
- 32 x E3.S Gen5 NVMe hot-swap bays
- 2 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x M.2 slot with PCIe Gen5 x4 interface
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

Application
Storage, 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
- Front side - CBP20E0: PCIe Gen5 x4 & CBP20P0: PCIe Gen5 x4
- Rear side - CBP2025: SATA 6Gb/s or SAS-4 24Gb/s
Storage: Front: 32 x E3.S Gen5 NVMe hot-swappable bays
- Rear: 2 x 2.5" 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 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 M-LAN
- 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 side - CBP20E0: PCIe Gen5 x4 & CBP20P0: PCIe Gen5 x4
- Rear side - CBP2025: SATA 6Gb/s or SAS-4 24Gb/s
Security Modules: 1 x TPM header with SPI interface
- Optional TPM2.0 kit: CTM012
- Optional 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: 1 x R284-S91-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: 6NR284S91DR000AAJ1*
- 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: 25EP0-22000J-G1S

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