GIGABYTE™

R283-S92-AAE3

2U DP 24-Bay NVMe/SATA/SAS Rack Server

Features

- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Dual processors, LGA4677
- 8-Channel RDIMM DDR5 per processor, 32 x DIMMs
- Supports Intel® Optane™ Persistent Memory 300 series
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN port (Intel® I350-AM2) & 1 x MLAN
- 8 x 2.5" Gen4 NVMe hot-swappable bays
- 16 x 2.5" SATA hot-swappable bays
- 4 x FHHL PCIe Gen5 x16 expansion slots
- 4 x LP PCIe Gen5 x8 expansion slots
- 2 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 2000W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)
Motherboard	MS93-FS0
CPU	4th Gen Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor CPU TDP up to 350W
Socket	2 x LGA 4677 (Socket E)
Chipset	Intel® C741 Chipset
Memory	8-Channel DDR5 memory per processor, 32 x DIMM slots RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz (1DPC), 4400 MHz (2DPC)
LAN	2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) Supported NCSI function 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM
Storage	8 x 2.5" Gen4 NVMe hot-swappable bays 16 x 2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support
RAID	Intel® SATA RAID 0/1/10/5
Expansion Slots	4 x PCIe Gen5 x16 FHHL slots 4 x PCIe Gen5 x8 LP slots 2 x OCP 3.0 Gen5 x16 slots - Supporte NCSI function
Front I/O	2 x USB 3.2 Gen1
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
Backplane I/O	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Power Supply	Dual 2000W 80 PLUS Platinum redundant power supply AC Input: 100-240V
System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
OS Compatibility	Windows Server 2019 / 2011 RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP3 / 15 SP4 (x64) Ubuntu 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0
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 R283-S92, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 6 x Carrier clips, 1 x Rail kit
Part Numbers	Barebone package: 6NR283S92DR000AAE3* - Motherboard: 9AS93FS0UR-000 - Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-323208-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-22000A-L0S

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