

R283-S90-AAE2

2U DP 12+2-Bay 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 Dedicated management port
- 12 x 3.5/2.5" SATA hot-swappable bays
- 2 x 2.5" SATA hot-swappable bays on rear side
- 6 x FHHL PCIe Gen5 x16 expansion slots
- 2 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

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|------------------------|---|-----------------------------|--|
| Dimensions | 2U (W438 x H87.5 x D815 mm) | Front I/O | 2 x USB 3.2 Gen1 |
| Motherboard | MS93-FS0 | Rear I/O | 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN |
| 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 | Backplane I/O | PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s on front side SATA 6Gb/s or SAS 12Gb/s on rear side |
| Socket | 2 x LGA 4677 (Socket E) | TPM | 1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010) |
| Chipset | Intel® C741 Chipset | Power Supply | Dual 2000W 80 PLUS Platinum redundant power supply AC Input: 100-240V |
| 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) | System Management | Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X) |
| LAN | 2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) Supported NCSI function 1 x 10/100/1000 management LAN | 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 |
| Video | Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM | System Fans | 4 x 80x80x38mm (18,300rpm) |
| Storage | 12 x 3.5/2.5" SATA/SAS hot-swappable bays 2 x 2.5" SATA/SAS hot-swappable bays on rear side SAS card is required for SAS devices support | 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) |
| RAID | Intel® SATA RAID 0/1/10/5 | Packaging Content | 1 x R283-S90, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 6 x Carrier clips, 1 x Rail kit |
| Expansion Slots | 6 x PCIe Gen5 x16 FHHL slots 2 x PCIe Gen5 x8 LP slots 2 x OCP 3.0 Gen5 x16 slots - Supporte NCSI function | Part Numbers | Barebone package: 6NR283S90DR000AAE2* - 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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