

R282-N00

Intel Xeon Rack Server - 2U DP 24-Bay NVMe



Features

- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- Dual ROM technology supported
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 24 x 2.5" Gen4 NVMe hot-swappable SSD bays in front side
- 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in rear side
- 2 x PCIe Gen4 x16 expansion slots
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1600W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (438 x 43.5 x 730 mm)	Backplane I/O	Front side_CBP2007: 24 x NVMe ports Rear side_CBP2022: 2 x SATA/SAS ports Bandwidth: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
Motherboard	MR92-FS0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	3rd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor 10nm technology, CPU TDP up to 270W 2 x LGA 4189 sockets (Socket P+)	Power Supply	1+1 1600W (240V) 80 PLUS Platinum redundant power supply
Chipset	Intel® C621A Express Chipset	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz	OS Compatibility	Windows Server 2016 / 2019 RHEL 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later Citrix Hypervisor 8.2.0 or later
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (16'300rpm)
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	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)
Storage	Front: 24 x 2.5" Gen4 NVMe hot-swappable SSD bays Rear: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays	Packaging Content	1 x R282-N00, 2 x CPU heatsinks 1 x Rail kit, 1 x VROC module
RAID	Intel® Virtual RAID On CPU (VROC) RAID 0, 1, 10, 5 Note: VROC module is compatible for Intel® SSD only	Reference Numbers	Barebone package: 6NR282N00MR-00 - Motherboard: 9MR92FSONR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-343102-M1R - Back plane board_24-port: 9CBP2007NR-00 - Back plane board_2-port: 9CBP2022NR-00 - Front panel board: 9CFP2001NR-00 - Power supply: 25EP0-216008-L0S
Expansion Slots	2 x PCIe x16 slots (Gen4 x16), FHHL 1 x OCP 2.0 mezzanine slot (Gen3 x8) - Supported NCSI function		
Front I/O	2 x USB 3.0		
Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		

* All specifications are subject to change without notice. Please visit our website for the latest information.

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