

R282-N80

Intel Xeon Rack Server - 2U DP 26-Bay



Features

- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- Dual ROM technology supported
- Supports Intel® Optane™ Persistent Memory 200 series
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 16 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
- 8 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays
- 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in rear side
- Onboard 12Gb/s SAS expander
- 8 x PCIe Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 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)	Front I/O	2 x USB 3.0
Motherboard	MR92-FS0	Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	3rd Generation Intel® Xeon® Scalable Processors Dual processors, 10nm technology CPU TDP up to 270W	Backplane I/O	Front_CBP2007NR: 16 x SATA/SAS + 8 x SATA/SAS/NVMe ports Rear_CBP2022: 2 x SATA/SAS ports Bandwidth: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
Socket	2 x LGA 4189 (Socket P+)	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Chipset	Intel® C621A Express Chipset	Power Supply	1+1 1600W (240V) 80 PLUS Platinum redundant power supply
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	OS Compatibility	Windows Server 2016 / 2019 / 2022 RHEL 8.2 (x64) / 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 20.04 LTS (x64) / 20.04.1 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update2 Citrix Hypervisor 8.2.0
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	4 x 80x80x38mm (16'300rpm)
Storage	Front: 16 x 2.5" SATA/SAS, 8 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays Rear: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays SAS card is required to enable drive bays Broadcom SAS35x36R expander Default supports: 8 x 2.5" NVMe drives Suggested 12Gb/s SAS cards: CRA4448	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	RAID Level depends on SAS Card	Packaging Content	1 x R282-N80, 2 x CPU heatsinks 1 x Rail kit
Expansion Slots	1 x PCIe x16 slot (Gen4 x16), FHHL 2 x PCIe x16 slots (Gen4 x16 o x8), FHHL 2 x PCIe x8 slots (Gen4 x8), FHHL 1 x PCIe x8 slots (Gen4 x0 or x8), FHHL 2 x PCIe x8 slots (Gen4 x8), HHHL 1 x OCP 3.0 mezzanine slot (Gen4 x16) - Supported NCSI function 1 x OCP 2.0 mezzanine slot (Gen3 x8) - Supported NCSI function	Reference Numbers	Barebone package: 6NR282N80MR-00 - Motherboard: 9MR92FS0NR-00 - VROC module: 25FD0-R181N0-10R (for Intel SSD only, in option) - 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



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