

R182-N20

Rack Server - 1U DP 10-Bay NVMe/SATA/SAS



Features

- Dual 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- Supports GRAID SupremeRAID NVMe/NVMe-oF RAID Card
- 2 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays
- 8 x 2.5" SATA/SAS hot-swappable bays
- 2 x FHHL PCIe Gen4 x16 slots
- 1 x OCP 3.0 Gen4 x16 slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1+1 1300W 80 PLUS Platinum redundant power supplies

Specification

Dimensions	1U (W438 x H43.5 x D780 mm)	Backplane Board	Speed and bandwidth: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
Motherboard	MR92-FS1	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	3rd Generation Intel® Xeon® Scalable Processors Dual processor, 10nm technology CPU TDP up to 270W 2 x LGA 4189 sockets (Socket P+)	Power Supply	1+1 1300W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
Chipset	Intel® C621A 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 128GB 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, Red Hat Enterprise Linux , VMware ESXi , SUSE Linux Enterprise Server, Ubuntu, Citrix Hypervisor
LAN	2 x 1Gb/s LAN ports (Intel® I350-AM2) - Supported NCSI function 1 x 10/100/1000 management LAN	System Fans	8 x 40x40x56mm (29,700rpm)
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter	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	2 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays 8 x 2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x R182-N20 2 x CPU heatsinks 1 x 2-Section Rail kit Packaging Dimensions: 982 x 588 x 250 mm
RAID	Intel® SATA RAID 0/1/10/5	Part Numbers	Barebone package: 6NR182N20MR-00-1* - 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R - CPU heatsink: 25ST1-453204-M1R - Power supply: 25EP0-213002-F3S - VROC module: 25FD0-R181N0-10R (optional) - 3-Section Rail kit (Supports CMA): 25HB2-A56120-K0R (optional) - Cable Management Arm: 25HBZ-R18100-K0R (optional) - GRAID SupremeRAID Core Software Module License (optional) a) SupremeRAID License: 25FC1-SR1000-AFS (4-native NVMe RAID)
Expansion Slots	2 x PCIe x16 slots (Gen4 x16), FHHL 1 x OCP 3.0 slot (Gen4 x16) - Supported NCSI function 1 x OCP 2.0 mezzanine slot (Gen3 x8) - Supported NCSI function		
I/O Ports	Front: 1 x USB 3.0 Rear: 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN Internal: 2 x SATA 7-pin ports, 1 x TPM header, 1 x VROC connector		



Learn more at <https://www.GIGABYTE.com/enterprise>

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