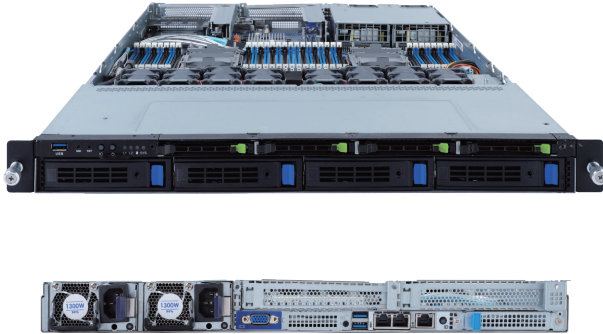


# R182-M80

Rack Server - 1U DP 8-Bay Gen4 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
- 4 x 3.5"/2.5" SATA/SAS hot-swappable bays
- 4 x 2.5" 9.5mm Gen4 NVMe/SATA/SAS hot-swappable bays
- 2 x 7-pin SATA DOM supported
- 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

<b>Dimensions</b>	1U (W438 x H43.5 x D780 mm)	<b>Backplane Board</b>	Speed and bandwidth: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>Motherboard</b>	MR92-FS1	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	3rd Generation Intel® Xeon® Scalable Processors Dual processor, 10nm technology CPU TDP up to 270W 2 x LGA 4189 sockets (Socket P+)	<b>Power Supply</b>	1+1 1300W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
<b>Chipset</b>	Intel® C621A Chipset	<b>System Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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	<b>OS Compatibility</b>	Windows Server, Red Hat Enterprise Linux , VMware ESXi , SUSE Linux Enterprise Server, Ubuntu, Citrix Hypervisor
<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I350-AM2) - Supported NCSI function 1 x 10/100/1000 management LAN	<b>System Fans</b>	8 x 40x40x56mm (29,700rpm)
<b>Video</b>	ASPEED® AST2600 Integrated 2D Graphic Adapter	<b>Operating Properties</b>	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)
<b>Storage</b>	4 x 3.5"/2.5" SATA/SAS hot-swappable bays 4 x 2.5" 9.5mm Gen4 NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support	<b>Packaging Content</b>	1 x R182-M80 2 x CPU heatsinks 1 x 2-Section Rail kit  Packaging Dimensions: 982 x 588 x 250 mm
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<b>Part Numbers</b>	Barebone package: 6NR182M80MR-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)
<b>Expansion Slots</b>	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		
<b>I/O Ports</b>	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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