

R282-3C1 (Rev. 100)

Rack Server - 3rd Gen Intel® Xeon® Scalable -
2U DP 12+2-Bay Gen4 NVMe/SATA/SAS



Key Features

- Dual 3rd Gen Intel® Xeon® Scalable Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 8 x 3.5"/2.5" SATA/SAS hot-swap bays
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- Onboard 12Gb/s SAS expander
- 6 x FHHL PCIe Gen4 x16 and x8 slots
- 2 x LP PCIe Gen4 x8 slots
- 1 x OCP NIC 3.0 PCIe Gen4 x16 slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1+1 1600W 80 PLUS Platinum redundant power supplies (-100)
- 1+1 1600W 80 PLUS Titanium redundant power supplies (-1T0)

Specification

Dimensions	2U (W438 x H87.5 x D730 mm)	I/O Ports	Front: 2 x USB 3.0 Rear: 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
Motherboard	MR92-FS1	Backplane Board	Front - CBP21C1: PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s Rear - CBP2022: SATA 6Gb/s or SAS 12Gb/s
CPU	3rd Generation Intel® Xeon® Scalable Processors Dual processor, TDP up to 270W	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Socket	2 x LGA 4189	Power Supply	1+1 1600W 80 PLUS Platinum redundant power supplies (-100) 1+1 1600W 80 PLUS Titanium redundant power supplies (-1T0) AC Input: 100-240V
Chipset	Intel® C621A	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200/2933/2666 MT/s	System Fans	4 x 80x80x38mm
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x R282-3C1 2 x CPU heatsinks 1 x 2-Section Rail kit
Storage	Front hot-swap: 4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS [1] 8 x 3.5"/2.5" SATA/SAS [1] Rear hot-swap: 2 x 2.5" SATA/SAS [1]	Ordering Part Numbers	6NR2823C1MR-00-1*
	[1] Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x36R expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port	Optional Parts	- VROC module: 25FD0-R181N0-10R (Supported for Intel SSD only) - 3-Section Rail kit (Supports CMA): 25HB2-AA6105-K0R - Cable Management Arm: 25HB1-R18300-K0R
RAID	Require RAID add-in cards Onboard VROC key header		
PCIe Expansion Slots	6 x FHHL PCIe Gen4 x16 and x8 2 x LP PCIe Gen4 x8 1 x OCP NIC 3.0 PCIe Gen4 x16, Support NCSI 1 x OCP 2.0 Gen3 x8 mezzanine, Support NCSI		



Learn more at: <https://www.gigabyte.com/Enterprise>

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