

R292-4S1

Rack Server - 2U Quad Processors



Features

- Quad 3rd Gen. Intel® Xeon® Scalable Processors
- 6-Channel RDIMM/LRDIMM DDR4, total 48 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Dual 10Gb/s LAN ports (Intel®X710-AT2)
- 1 x Dedicated management port
- 10 x 2.5" NVMe/ SAS/ SATA hot-swap HDD/SSD bays
- 1 x M.2 with PCIe Gen3 x2 bandwidth
- 8 x PCIe Gen3 expansion slots
- 1 x OCP Gen3 x16 mezzanine slots in front side
- 1+1 3200W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87.5 x D858 mm)	Rear I/O	2 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN
Motherboard	MRQ2-4S0	Backplane I/O	CBP10A5: 10 x NVMe/ SAS/ SATA hybrid ports
CPU	3rd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum 8300, Intel® Xeon® Gold 6300 6 UPI Links per processor	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Socket	4 x LGA 4189, Socket P5, CPU TDP up to 250W	Power Supply	Dual 3200W 80 PLUS Platinum redundant power supply
Chipset	Intel® C621A Express Chipset	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	6-Channel DDR4 memory, 48 x DIMM slots RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported Supports Intel® Optane™ Persistent Memory 200 series 1.2V modules: 3200 (1DPC)/2933 (2DPC) MHz	OS Compatibility	Windows Server 2016 / 2019 RHEL 8.0 (x64) or later SLES 12.3 (x64) / 15 (x64) or later Ubuntu 18.04 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.5 Update2 / 6.7 Update1 / 7.0 or later Citrix Hypervisor 7.1.0 CU2 / 7.5.0 / 8.0.0 or later
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1 x 10/100/1000 management LAN	Weight	TBD
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	16 x 40x40x56mm (29,000rpm)
Storage	10 x 2.5" NVMe/ SAS/ SATA hot-swappable HDD/SSD bays SAS card is required for SAS devices support	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)
SATA	Supported	Packaging Dimensions	1117 x 670 x 291 mm
SAS	Supported via add-on SAS Card	Packaging Content	1 x R292-4S1, 4 x CPU heatsinks, 1 x Rail kit
RAID	Intel® SATA RAID 0/1/10/5	Reference Numbers	Barebone package: 6NR2924S1MR-00 - Motherboard: 9MRQ24S0NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-243104-C1R - M.2 heatsink: 12SP2-080027-00R - Back plane board_10-port: 9CBP10A5NR-00 - Front panel board: 9CFP2001NR-00 - Rear Fan kit: 6NR2924S0SR-00-100 (Optional) - Power supply: 25EP0-232000-D0S - Riser card - CRS202A: 9CRS202ANR-00 - Riser card - CRS2040: 9CRS2040NR-00 - Riser card - CRS2029: 9CRS2029NR-00
Expansion Slots	Total 8 x FHFL PCIe Gen3 x16 slots 1 x OCP3.0 mezzanine slot - PCIe Gen3 x16 - Supports OCP3.0 SFF standard 1 x M.2 slot: - M-key, PCIe Gen3 x2 - Supports NGFF-2280 cards		
Internal I/O	10 x SlimSAS 8i connectors (Gen3 x8) 1 x M.2 slot		
Front I/O	-		

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

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