

Forge R720 t

PRODUCT OVERVIEW

Vector Data launches the R Series with the Forge R720 t, a NEBS Level 3 and ETSI-certified, 2-socket, 2U rack server. The Forge R720 t is built to run complex workloads using its highly scalable memory, I/O capacity and flexible network options.

Designed to excel at running a wide range of applications and virtualization environments for both mid-size and large enterprises, the Forge R720 t rack server is a general purpose platform with highly expandable memory (up to 768GB) and impressive I/O capabilities to match. With Intel® Xeon® E5-2600 processors, and the ability to support dual RAID controllers, the Forge R720 t can readily handle very demanding workloads.

The Forge R720 t has global availability and is designed to deliver high performance, maximum scalability, and safe and reliable service:

- **Open standard systems.**
 - Improved compatibility based on industry-leading products
 - Rapidly scalable and easily expandable
- **Industry standards solutions.**
 - NEBS Level 3 and ETSI certified
 - Fresh-air cooling systems enable servers to operate in warmer environments than traditional data centers
 - Designed for extreme conditions such as high humidity, earthquakes and dust
- **Global regulatory support and availability.**



Keep pace with the explosion of data in the virtual age with the flexible, powerful I/O and storage capabilities of the Forge R720 t. Up to 16 internal hard drives and integrated PCI Express® 3.0-capable expansion slots greatly increase your capacity, while optional hot-plug, front-access PCIe SSDs (up to 4) enable performance-enhancing, in-box storage tiering. Moreover, flexible NIC technology will let you choose the right network fabric to match your needs without using up a valuable PCIe slot.

Product Highlights

- Up to 24 DIMMs
- PCIe 3.0-enabled expansion slots
- Choice of NIC technologies
- Optional hot-plug, front-access PCIe SSDs
- Optional internal GPU accelerators

TECHNICAL SPECIFICATIONS

Feature	Forge R720 t Compliant Components	
Form Factor	2U rack Chassis for up to sixteen 2.5" hard drives	
Processor	95W Intel® Xeon® E5-2600 series processors: <ul style="list-style-type: none"> • Intel® Xeon® E5-2650 processor • Intel® Xeon® E5-2640 processor • Intel® Xeon® E5-2620 processor • Intel® Xeon® E5-2603 processor 	
Processor Sockets	2	
Internal Interconnect	2 x Intel® QuickPath Interconnect (QPI) links: 6.4GT/s; 7.2GT/s; 8.0 GT/s	
Cache	2.5MB per core; core options: 4, 6, 8	
Chipset	Intel® C600	
Memory¹	Up to 384GB (24 DIMM slots); 2GB/4GB/8GB/16GB DDR3 RDIMM LV up to 1333MHz	
I/O Slots	7 PCIe slots: <ul style="list-style-type: none"> • One x16 full-length, full-height • Three x8 full-length, full-height • Three x8 half-length, half-height 	
Communication Options	NICs: Broadcom 5719 QP 1Gb Broadcom 5720 DP 1Gb Intel Ethernet I350 QP 1Gb Intel Ethernet X540 DP 10GBASE-T Intel X520 DP 10Gb DA/SFP+ QLogic 10GB Dual Port SFP	CNAs: Broadcom 57810 DP 10Gb DA/SFP+ Brocade 1020 Dual-Port 10 Gbps FCoE HBAs: Brocade 815/825 SP/DP 8 Gbps FC Emulex LPE 12000/12002 Single/Dual Channel 8Gb, Optical, PCIe QLogic 2560/2562 Single/Dual Channel 8Gb Optical FC PCIe QLogic QLE2462, Dual Channel, 4 Gbps, Optical, FC, PCIe
RAID Controller	Internal: PERC H310 PERC H710 PERC H710p	External HBAs (RAID): PERC H810
Drive Bays	Up to sixteen 2.5" drives Peripheral bay option: Slim optical drive bay with choice of DVD + RW	
Maximum Internal Storage¹	14.4 TB	
Hard Drives	SAS SSD SATA SSD SAS (15K, 10K)	Nearline SAS (7.2K) Self-Encrypting Drives available
Embedded NIC	Intel Quad Port 1GbE BASE-T (no TOE or iSCSI offload) Intel Dual Port 10GbE BASE-T with 2 x 1GbE (FCoE capability enabled on the 10GbE ports)	
Power Supply	Efficient redundant hot swap 1100W DC power supplies	
Remote Management	iDRAC7 with Lifecycle Controller iDRAC7 Express (default) iDRAC7 Enterprise (upgrade option)	8GB vFlash media (upgrade option) 16GB vFlash media (upgrade option)
Rack support	2/4-Post Static Rails	

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