

Forge R620 t

PRODUCT OVERVIEW

Vector Data launches the R Series with the Forge R620 t, a NEBS Level 3 and ETSI-certified, hyper-dense 2-socket, 1U rack server. The Forge R620 t has a large memory footprint and impressive I/O options that make it an exceptional platform for space-sensitive environments.

Designed for exceptional performance on a wide range of applications, the Vector Data Forge R620 t rack server is an impressive general purpose platform that is perfect for central office and data center environments with space constraints. The Forge R620 t has hyper-dense memory (up to 768GB in a 1U form factor) and is powered by Intel® Xeon® E5-2600 processors.

The Forge R620 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.



Accomplish More

Pack more computing power into a space-challenged central office or data center with the Vector Data Forge R620 t, which offers an exceptionally large memory footprint along with balanced, scalable I/O capabilities, including integrated PCI Express® 3.0-capable expansion slots. With reliability, availability and serviceability (RAS) features like hot-pluggable fans, disks, power-supply units (PSUs) and even redundant failsafe hypervisors, the Forge R620 keeps your data center running with rock-steady reliability.

Product Highlights

- Compute density in a 1U form factor
- Optional hot-plug, front access PCIe SSDs
- Choice of network fabric technologies
- PCIe 3.0-enabled expansion slots

TECHNICAL SPECIFICATIONS

Feature	Forge R620 t Compliant Components	
Form Factor	1U rack Chassis for up to eight 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	2 PCIe slots: One x16 slot with x16 bandwidth, full-height, 3/4 length One x16 slot with x16 bandwidth (or x8 with one processor only), half-height, half-length	
Communication Options	NICs: Intel Ethernet I350 QP 1Gb Intel Ethernet X540 DP 10GBASE-T Intel X520 DP 10Gb DA/SFP+	
RAID Controller	Internal: PERC H310 PERC H710 PERC H710p	External HBAs (RAID): PERC H810
Drive Bays	Up to eight 2.5" drives	
Maximum Internal Storage¹	7.2 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	

For more information, please contact your Vector Data account manager.

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