

The Cirrascale RM4493 Rackmount Server Series

Powered by the Intel® Xeon® processor E7-4800 v2
Product Family for Breakthrough Performance

The Cirrascale RM4493 Rackmount Server Series is a powerful enterprise-grade 4U quad-socket server with unprecedented RAS and scalability. The server is designed for large enterprises and service providers supporting mission-critical applications and big data analytics in real time and those requiring a solution with massive memory and performance to capitalize on trends as they emerge. These specialized applications also want the higher densities, energy savings and serviceability enjoyed by hyperscale cloud datacenters. The RM4493 meets these requirements and delivers improved serviceability, unsurpassed system performance and top-tier reliability.

The 4U, four-way server uses the latest Intel® Xeon® processor E7-4800 v2 product family with up to 15 cores per processor, totaling 60 cores and 120 threads per system. The server offers a combination of reliability, high I/O throughput, expandability, efficiency and serviceability that until now were difficult to achieve in the enterprise datacenter. The Cirrascale RM4493 is equipped with Intel® Run Sure Technology, the most advanced RAS features for the Intel® Xeon® E7 family. It reduces planned and unplanned downtime to protect data integrity, which is vital to mission-critical services and enhances data center efficiency.

The RM4493 has 96 DDR3 DIMM slots designed to breakthrough platform limitations by capitalizing the Intel® C104 Scalable Memory Buffer's capability to its maximum (6 DIMMs/C104). In addition to the ten PCIe 3.0 slots with their astonishing expandability, the four hot-swap PCIe slots among them further enhance expandability with serviceability. The 11th slot is dedicated for a storage mezzanine to offer a cost-efficient SAS/RAID support option. Twelve 2.5" 12Gb/s-ready hot-plug hard disk drives (four supporting NVMe-ready PCIe SSDs) deliver ultra-low latency cache, best for data demanding and transaction-intensive workloads, such as in-memory or business analytics.

Custom Configurations to Fit Your Need

Cirrascale supports multiple configurations and can tailor any system to your specific needs. Additionally, in an effort to reduce deployment times, we can help configure systems prior to them shipping to you, saving you time and money once it arrives at your data center. It's just another way we work with you to free up your internal IT resources and reduce deployment costs, every step of the way. If you have questions, please contact us today at (888) 942-3800 and ask to speak with a Cirrascale Account Manager.

About Cirrascale®

Cirrascale Corporation is a premier provider of blade-based GPGPU, cloud computing and storage infrastructure for conventional and containerized data centers. Cirrascale leverages its patented Vertical Cooling Technology to provide the industry's most energy-efficient standards-based platforms with the lowest possible total cost of ownership in the densest form factor. Cirrascale sells to large-scale infrastructure operators, hosting and managed services providers, Cloud Service Providers, and HPC users. Cirrascale also licenses its award winning technology to partners globally.

Contact Us Today

To learn more about Cirrascale and its unique data center infrastructure solutions, please visit us on our website at www.cirrascale.com or contact one of our Account Managers by calling (888) 942-3800.



**The Cirrascale RM4493
Rackmount Server**

RM4493 Rackmount Server



Features at a Glance

- Unsurpassed computing power supporting up to four Intel® Xeon® E7-4800 v2 series processors
- Extraordinary memory capacity with up to 96 DIMM slots
- Astonishing expandability with ten PCIe 3.0 slots
- Ultimate Storage Bandwidth provided by twelve 2.5" hot-plug SAS 12Gb/s-ready backplane

Processor:

- Four Intel® Xeon® processor E7-4800 v2 product family

Chipset:

- Intel C602J Chipset

Memory:

- 96 x DDR3 1333/1600 MHz ECC RDIMM slots

Storage:

- 12 x 2.5" hot-plug (support 2x PCIe SSD)

Networking:

- 2 x Intel® I350 GbE RJ45 ports or 2 x Intel® X540 10GbE Base-T RJ45 ports
- 1 x 10GbE SFP+ dual port mezzanine card (optional)
- 1 x Mellanox Infiniband dual port mezzanine card (optional FDR, QDR)

Expansion Slots:

- 2 x PCIe x16 G3 slots, FH3/4L
- 8 x PCIe x8 G3 slots, FHHL
- 1 x PCIe x8 G3 slot for LSI SAS/RAID mezzanine card

Integrated Graphics:

- Aspeed AST2300 8MB DDR3 video memory

Power Supply Capabilities:

- 2+2 hot-plug, high efficiency redundant 1600W PSU
- 80 Plus Platinum

Management:

- 1 x Dedicated GbE RJ45 management port
- IPMI v2.0 compliant
- On board "KVM over IP" support

Hardware RAID Options:

- LSI SAS 2108/2208 mezzanine card for RAID 0/1/10/5 (optional)
- LSI SAS 2108/2208 mezzanine card + LSI RAID 6 Key for RAID 0/1/10/5/6/50/60 (optional)

Unit Dimensions and Weight:

Height: 174 mm (6.8 in.)
Width: 424 mm (16.69 in.)
Depth: 704 mm (27.71 in.)
Weight: 42Kg (92.5 lbs.)

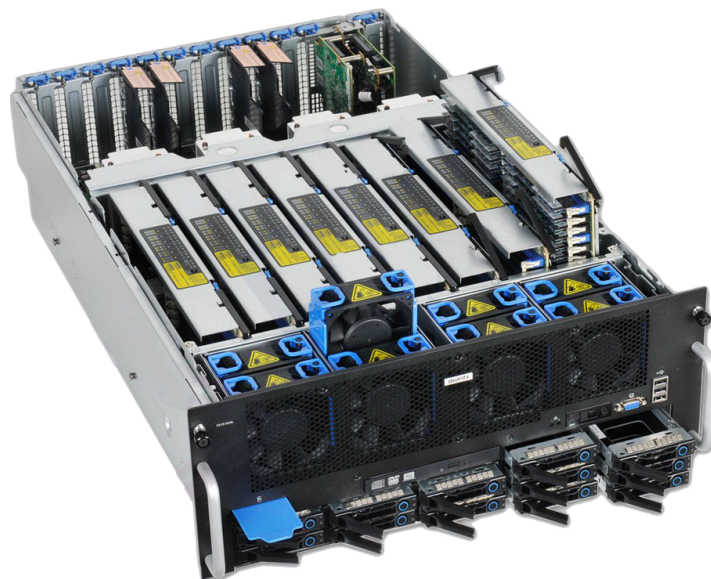
Certifications:



RM4493
Rear View



RM4493
Front View



RM4493 - Inside View

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Cirrascale 12140 Community Road, Poway, CA 92064 USA **Phone** 858-874-3800 or 888-942-3800 **Web** www.cirrascale.com

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