Cirrascale

Cirrascale VB1600 and RM1600 Series Blade and Rackmount Solutions

Enabling Customized Breakthrough Performance, Energy Efficiency and Density for the Datacenter

Cirrascale is pleased to announce its support for the 4th generation Intel® Core™ and Intel® Xeon® Processor E3-1200 v3 product family based on "Haswell" microarchitecture, within its latest blade-based compute and rackmount product lines specifically aimed at High Performance Computing, content creation, cloud gaming and cloud computing environments.

Delivering the technologies needed to replace an inefficient and aging installed-base, Cirrascale's latest VB1600 blades and RM1600 rackmount systems provide up to 20% improvement in performance at the same power levels as the 3rd generation processors, and include the much improved Advanced Vector Extensions (AVX2). Additionally, Intel has integrated an updated graphics engine, Intel® Iris™ Pro Graphics, which can produce two times the performance over 3rd generation graphics processors..

Cirrascale's integrated platforms utilizing these Intel Core and Intel® Xeon® E3-1200 v3 processors are an ideal solution to refresh older IT infrastructure or for exceptionally efficient green field deployments. With these new products, Cirrascale is facilitating data center transformation by providing scalable performance and reduced power consumption. Customers deploying next generation scale-out infrastructure benefit from the combination of Intel's latest processor platforms with Cirrascale's Vertical Cooling Technology, enabling extreme density and unmatched efficiency and reliability.

Cirrascale's high performance VB1600 blades and RM1600 rackmount servers support the Intel Core and Intel® Xeon® E3-1200 v3 processors, up to 32GB of 1600 MHz DDR3 DIMM in 4 DIMM slots, dual Gigabit ethernet, and so many more options. Discover today why Cirrascale is truly delivering Blades Without Boundaries®.

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 do most all of the configuration your systems require before your hardware ships 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.

VB1600 Series Compute Blade Solutions

Features at a Glance

- Single quad-core 4th Generation Intel Core or Intel® Xeon® E3-1200 v3 Series Processors
- Up to 32GB of DDR3 Memory
- Up to 8TB of SATA Storage
- Perfect for refresh of aging IT systems

Processor:
Options include one of the following:
- Intel® Core™ 4th Generation product family
- Intel® Xeon® processor E3-12xx v3 product family

Chipset:
- Intel Q87 Express Chipset (Desktop Board); or,
- Intel C222 Chipset (Server Board)

Memory:
- Supports up to 32GB DDR3 Memory
- 4 DIMM Slots DDR3 1333/1600

Storage:
- 6 x SATA Hard Drives

Networking:
- Gigabit LAN using Intel I217LM (Desktop)
- Dual Gigabit LAN Powerville (Server)

Integrated Graphics:
- VGA Integrated Graphics (SB,DB)
  - DisplayPort v1.2 (SB, DB)
  - DVI-D (DB)
- Support for a PCI Express 3.0 x16 add-in graphics card

Expansion Slots:
- 1 x PCIe x16 Gen3.0 (SB, DB)
- 1 x PCIe x8 Gen2.0 (SB)
- 1 x PCIe x4 Gen2.0 (SB)
- 1 x PCIe x1 Gen2.0 (SB, DB)
- 2 x PCI bus add-in (DB)

Standard Interfaces:
- 4 x USB 3.0
- 2 x USB 2.0

Management and Monitoring:
- BMC onboard IPMI 2.0

Operating Systems Supported:
Cirrascale's compute blades and rackmount servers support a wide variety of varying operating systems.

* DB - Desktop Board
* SB - Server Board

RM1600 Series Rackmount Solutions

Features at a Glance

- Single quad-core 4th Generation Intel Core or Intel® Xeon® E3-1200 Series Processors
- Up to 32GB of DDR3 Memory
- Up to 8TB of SATA Storage

Processor:
Options include one of the following:
- Intel® Core™ 4th Generation product family
- Intel® Xeon® processor E3-12xx v3 product family

Chipset:
- Intel Q87 Express Chipset (Desktop Board); or,
- Intel C222 Chipset (Server Board)

Memory:
- Supports up to 32GB DDR3 Memory
- 4 DIMM Slots DDR3 1333/1600

Storage:
- 6 x SATA Hard Drives

Networking:
- Gigabit LAN using Intel I217LM (Desktop)
- Dual Gigabit LAN Powerville (Server)

Integrated Graphics:
- VGA Integrated Graphics (SB,DB)
  - DisplayPort v1.2 (SB, DB)
  - DVI-D (DB)
- Support for a PCI Express 3.0 x16 add-in graphics card

Expansion Slots:
- 1 x PCIe x16 Gen3.0 (SB, DB)
- 1 x PCIe x8 Gen2.0 (SB)
- 1 x PCIe x4 Gen2.0 (SB)
- 1 x PCIe x1 Gen2.0 (SB, DB)
- 2 x PCI bus add-in (DB)

Standard Interfaces:
- 4 x USB 3.0
- 2 x USB 2.0

Management and Monitoring:
- BMC onboard IPMI 2.0

Operating Systems Supported:
Cirrascale's compute blades and rackmount servers support a wide variety of varying operating systems.

* DB - Desktop Board
* SB - Server Board

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

Cirrascale