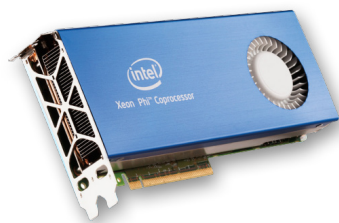


VB5400 Series Blade Server Featuring the Intel® Xeon Phi™ Coprocessor

The Cirrascale® VB5400 Series blade server, featuring the Intel® Xeon Phi™ coprocessor, is designed to provide highly parallel processing to power innovative breakthroughs without overhauling applications or code. No other vendor provides the ability to place eight of these powerful coprocessors into a single server and scale performance to the levels seen in the Cirrascale VB5400 Series solution.



This incredible scalability is delivered by a proprietary 80-lane PCIe switch designed by Cirrascale engineers. The VB5400 Series blade server integrates dual PCIe switches enabling it to support eight Intel® Xeon Phi™ coprocessors in a single scalable system.

Each Intel® Xeon Phi™ coprocessor can provide a theoretical one Teraflop of performance in just one PCIe slot and, once integrated with a Cirrascale PCIe switch, enables the VB5400 blade server to produce an impressive 8 Teraflops of theoretical performance in one 5VU blade server chassis. When placed in the award-winning Cirrascale BladeRack® 2 XL platform, the solution can scale to provide 96 Teraflops of performance in one rack making it one of the densest High Performance Computing solutions available.

Customers deploying this next generation HPC scale-out infrastructure benefit from the combination of Intel's latest processor platforms with Cirrascale's Vertical Cooling Technology, enabling extreme density and scalability with unmatched efficiency and reliability.

The Cirrascale VB5400 blade server and Cirrascale proprietary PCIe switch are both immediately available to order and will begin shipping subject to the announced component availability. Licensing opportunities for these technologies are also available immediately to both customers and partners.

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 compute, cloud 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.



VB5400 Series Compute Blade Server



Features at a Glance

- Dual 8-core Intel® Xeon® E5-2600 Series Processors
- Up to 512GB of DDR3 Memory
- Supports up to 8 Intel® Xeon Phi™ coprocessors or 8 GP/GPU cards utilizing proprietary PCIe switch

Processor:

- Options include two of the following:
Intel® Xeon® processor E5-26xx product family
- E5-2670 2.6GHz 115W 8-core
 - E5-2680 2.7GHz 130W 8-core
 - E5-2687W 3.1GHz 150W 8-core
 - E5-2690 2.9GHz 135W 8-core

PCIe Switch Support:

- Supports up to 8 Intel® Xeon Phi™ Coprocessors, or;
- Supports up to 8 GP/GPU cards

Chipset:

- Intel C602 (Patsburg-A)

Memory:

- Supports up to 512GB DDR3 Memory
- 16 DIMM Slots DDR3 1066/1333 UDIMM/RDIMM ECC

Storage:

- 8 x SAS 6Gb/s
- 4 x SATA 6Gb/s Hard Drives

Networking:

- Dual 1GbE LAN Ports

Expansion Slots:

- 4 x PCIe x16 Gen3.0
- 2 x PCIe x8 Gen3.0 Expansion Ports
- 1 x PCIe x4 Gen2.0

Standard Interfaces:

- 8 x USB 2.0 (6 external / 2 internal)
- On Management LAN
- 2 x RJ-45 LAN 1GbE
- 1 x COM

Management and Monitoring:

- IPMI 2.0

Operating Systems Supported:

- Windows Server 2008
- Linux RHEL 6, CENTOS 6.2, SUSE 11SP2, UBUNTU 11.10



CM016 - REV A - 11/2012

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

© 2012, Cirrascale Corporation. All Rights Reserved. Cirrascale, BladeRack and the Cirrascale logo are registered trademarks of Cirrascale Corporation. Intel, Intel logo, Intel Xeon Phi and Intel Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. All other names or marks are property of their respective owners. No part of this document may be reproduced without consent from Cirrascale Corporation. Technical specifications subject to change without notice.

