



Cirrascale SB Series Blade Storage Solutions

Advanced Blade Storage Technology Enabling Cirrascale's CirraStor PetaScale Storage Solution

Cirrascale is the recognized market leader in blade-based storage solutions for the enterprise data center. The SB Series of Blade Storage solutions from Cirrascale provide the industry's densest storage configurations with support for over 850 hard drives per rack. That's up to 3.4PB of dense storage capacity in a single platform.

Utilizing industry leading technologies, such as our patented Vertical Cooling Technology, the SB Series of blade storage solutions combine with our BladeRack platforms to provide the most efficient and scalable storage solutions available while boasting the lowest TCO of any blade-based storage platform found on the market today. The versatility of this combined storage solution is one of its biggest strengths. This solution was designed for everything from high availability Web 2.0 applications to large pools of unstructured data.

In these environments, applications and storage are becoming more converged. Cirrascale's award-winning blade storage solutions take this convergence to the ultimate endpoint by moving the application server closer to the physical storage to minimize network bottlenecks and increase performance. This convergence of storage, server and applications makes our blade-based storage products the ideal platforms for those organizations seeking cost-effective solutions where processing power, efficiency and storage density are primary concerns.

Cirrascale SB Series storage solutions are modular, blade based application servers direct-connected to high capacity high density storage blades capable of supporting a wide spectrum of workloads. This direct combination allows Cirrascale customers to scale up and scale out as their organization grows.

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 GP/GPU, 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
SB1006 Disk Blade**

SB5415 Series Storage Solution



Features at a Glance

- Consolidates Server and Storage Infrastructures with Unsurpassed Energy Efficiency
- Delivers up to 50% Savings in Energy Use While Providing up to 77% Improved Floor Space Utilization Over Traditional Server/Storage Systems
- Up to 3.4PBs of Storage Capacity in Just Two Data Center Floor Tiles

SB1416 HEAD NODE

Processor:

Dual Intel® Xeon® processor E5-26xx v2 product family, including:

- E5-2670 v2 2.5GHz 115W 10-core
- E5-2680 v2 2.8GHz 115W 10-core
- E5-2687W v2 3.4GHz 150W 8-core
- E5-2690 v2 3.0GHz 130W 10-core

Chipset:

- Intel C602 (Patsburg-A)

Memory:

- Supports up to 512GB RDIMM ECC DDR3 Memory
- 16 DIMM Slots DDR3 1066/1333/1666/1866

Storage:

- 3 x Mini SAS ports (8 x SAS 6Gbs via LSI SAS2008 + 4 SATA II 3Gbs)
- 2 x SATA III 6Gb/s ports

Networking:

- Dual Gigabit Ethernet LAN ports (Intel® I350)

Expansion Slots:

- 1 x PCIe x16 (Gen3 x16 bus) slot
- 1 x PCIe x16 (Gen3 x8 bus) slot
- 2 x PCIe x8 (Gen3 x4 bus) slots
- 1 x PCIe x4 (Gen2 x1 bus) slot

Standard Interfaces:

- 4 x USB ports
- 1 x VGA ports
- 1 x COM ports
- 3 x RJ45

Integrated Graphics:

- Integrated in Aspeed 2300
- 2D Video Graphic Adapter with PCIe bus interface
- 1920x1200@60Hz 32bpp

Management and Monitoring:

- Aspeed 2300 IPMI 2.0
- iKVM

Operating Systems Supported:

- Various operating systems supported including Windows and Linux.

SB1006 Disk Blade

- 12 Hot-Swap SATA II Hard Drives per Disk Blade 2TB or 4TB SATA HDDs
- Up to Four SB1006 Disk Blades per SB1416 Head Node
- SATA Protocol with SAS Connection to SB1416 Head Node
- Quick Disconnect Hot-swap hard drives
-Individual drive LED indicators



**Cirrascale SB1006 Disk Blade
Utilizing 2.5" Hard Drives**

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