

# BladeRack® 2 FE Blades

POWERED BY AMD® OPTERON® PROCESSORS



## COMPUTE BLADES



The BladeRack 2 FE platform is a part of Cirrascale's data center scale computing solutions and was designed with today's high density data center in mind. The BladeRack 2 FE platform is the industry's most flexible compute solution available with support for up to 60 blades, each housing the most cutting edge components available. With its ability to employ over 1440 processing cores and over 1.15PB of storage per rack, the versatility and potential of the BladeRack 2 FE platform is truly without boundaries.

Customers in the Entertainment and Media industry could utilize such ground-breaking

density to dramatically cut costs and boost efficiency in their render farms. Oil and Gas customers would increase the compute power of their data center giving them the ability to process more terrain in record time, leading to increased profits.

Advanced technologies such as AMD-V provide virtualization at the hardware level and support more users while offering the best performance. Cutting edge efficiency designs, including AMD's Dual Dynamic Power Management, optimize memory bandwidth for overall improved system performance

and help reduce system power consumption and heat generation. Advanced power and cooling architectures such as redundant power inputs and fan trays make the BR2-FE platform perfect for today's Financial Service and Application Service Providers where an increased level of uptime is required. With server management based on the IPMI 2.0 standard system administrators will be able to remotely monitor and manage individual blades as well as have full control with optional KVM-IP functionality.

## Compute Blade

### VB1555FE

#### Internal View



#### FEATURES AT A GLANCE

- Supports Two Twelve-Core AMD Opteron 6100 Series Processors
- Up to 64GB DDR3 ECC RAM
- AMD-V™ Virtualization Technology
- Fibre or Infiniband Interconnect Options
- Over 1440 Processing Cores per Rack

#### Processor

- Options Include Two of the Following:
- Twelve-core AMD Opteron™ 6170 Series Processors
  - Eight-core AMD Opteron™ 6130 Series Processors

#### Chipset

- AMD SR5670 Chipset

#### Memory

- Supports Up to 64GB DDR3-1333 ECC Registered Memory
- Sixteen DIMM Sockets

#### Storage

- Options Include Up to Two SATA Hard Drives:
- Up to 4TB Internal SATA Storage

#### Networking

- Two Gigabit Ethernet Connections
- Intel 82576 Dual Network Controller

#### Regulations

- Safety EN60950
- Regulatory Markings CSA, CD, Nemko (When Installed in BladeRack® 2 FE)

#### Expansion Slots

- Two PCI-Express x8 Slots
- One PCI-Express x16 Slot

#### Standard Interfaces

- Seven USB 2.0 Ports • One 15-pin VGA Port
- Two RJ-45 Gigabit Ethernet Ports
- One RJ-45 Management / KVM-IP Port

#### Integrated Graphics

- Matrox G200 Graphics Controller
- 16MB DDR2 Video Memory

#### Management and Monitoring

- IPMI 2.0
  - Remote power on/off/reset
  - KVM-IP (optional)

#### Operating Systems

- Windows® Server 2003/2008
- Red Hat® Enterprise Linux 5 x86-64
- SUSE Linux Enterprise 10 x86-64
- CentOS 5 x86-64

## CUSTOM CONFIGURATIONS

Cirrascale supports multiple configurations and can tailor any system to your specific needs. If you have questions, please contact us today at (888) 942-3800 and ask to speak with a Cirrascale Account Manager.

## ABOUT CIRRASCALE

Cirrascale, Inc. is the premier developer of scale-out blade-based computing and storage platforms for Cloud, Web 2.0, and the global enterprise. Cirrascale provides scale-out solutions for the world's largest data centers that reduce power and cooling demands while achieving the best density, availability, and energy efficiency for the highest total value of ownership. Organizations such as Virgin America, Morgan Stanley, Wachovia, Microsoft, Qualcomm, Johns Hopkins, EMC, CGGVeritas, Petrobras, Harris, Lockheed Martin, Northrop Grumman, and Sony Imageworks, as well as top universities and research institutions worldwide, are among the customers who have chosen Cirrascale's award-winning containerized data centers and high density blade-based platforms.



## CIRRASCALE'S GREEN INITIATIVE

Cirrascale is leading the way to the Green Data Center by providing several Data Center and Desktop consolidation solutions. Through innovation, Cirrascale has developed and implemented equipment and procedures to get more by using less. The Cirrascale BladeRack® 2 Series platform and FOREST Container solution are built on industry-leading technology that makes that possible. In addition, the Connexus desktop consolidation solution brings the efficiency and philosophy of the Green Data Center to the desktop.