

# VB1160D Blade Server

HIGHLY EFFICIENT BLADE SERVERS FOR THE ULTIMATE IN DATA CENTER DENSITY



**FEATURES AT A GLANCE**

- Supports Dual-Core Intel® Xeon® 3000 Series Processors
- Up to 16GB DDR2-800 ECC RAM
- Up to 132 Systems per BladeRack® 2 XT
- PCI Express x16 Gen 2 Slot



## PRODUCT OVERVIEW

The VB1160D from Verari Systems® is a high efficiency blade server for the BladeRack® 2 XT that is optimized for space-constrained high performance computing and data center installations. The VB1160D blade server supports the latest Dual-Core Intel® Xeon® 3100 Series processors and a 1333MHz front side bus for increased performance. With faster processors, DDR2-667 DIMM modules and IPMI 2.0 Management, the VB1160D is the ideal solution for a full range of scale out applications.

The Verari Systems VB1160D blade server is designed with the data center of the future in mind. With up to 132 systems equaling 264 processor cores per rack, the VB1160D is one of the densest solutions offered. Available with advanced features such as redundant power inputs, blade power metering, serial console interface, remote power monitoring and O/S provisioning.

Improve productivity, security and power efficiency with the VB1160D blade server based on the new Dual-Core Intel Xeon 3100 Series processor. New memory and I/O innovations boost system performance and built-in technologies help improve power efficiency and keep critical business information protected. The Verari Systems VB1160D supports the latest operating systems including Microsoft® Windows® 2003 Server, SUSE Linux and Red Hat® Linux.

## CUSTOM CONFIGURATIONS

Verari Systems 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 Verari Systems Account Manager.

## ABOUT VERARI SYSTEMS

Verari Systems, Inc. is the premier developer of energy efficient data center and desktop consolidation platforms utilizing independent blade-based compute and storage solutions that are defining a new era in the green data center. Verari Systems is a market leader in blade storage and energy efficient platforms. Organizations such as Wachovia, Akamai, Microsoft, Qualcomm, CGGVeritas, Harris, Lockheed Martin, Northrop Grumman, and Sony Imageworks, as well as top universities and research institutions worldwide, are among the customers who have chosen Verari Systems' line of award-winning high density blade storage and servers, rack-optimized platforms and software solutions.

## Specifications

**NOTE:** System specs listed are per node. There are two nodes in every VB1160D blade.

### Processor

Options Includes Two of the Following:

- Dual-Core Intel® Xeon® Processor 3000 Series (up to 3GHz)
- Dual-Core Intel Xeon Processor 3100 Series (up to 3GHz)

### Chipset

- Intel X38 Chipset

### Memory

- Supports up to 16GB DDR2-667 ECC Memory
- Four DIMM Sockets per Node

### Storage

Up to 2TB Internal Storage

- Two SATA Hard Drives per Node

### Operating Systems

- Microsoft® Windows® Server 2003
- Red Hat® Enterprise Linux 4.0 x86-64
- SUSE Linux Enterprise 10 x86-64
- Cent O/S 4.x x86-64

### Networking

- Two Intel Pro/1000MT Server Network Connections per Blade
- Intel 82575EB LAN Controller

### Regulations

- Safety EN60950
- Regulatory Markings CSA, CE, Nemko (When Installed in BladeRack 2)

### Standard Interfaces

- Two USB 2.0 Ports
- One 15-pin VGA Port
- Two RJ-45 Gigabit Ethernet Ports

### Integrated Graphics

- Integrated 16MB Video Memory

### Expansion Slots

- One Half-Height PCI Express x16 Gen2 Slot per Node

### Management and Monitoring

- Verari Command Center® 3.x
  - Hardware-level monitoring
  - Remote power on/off/reset
  - Web-enabled GUI
  - Blade auto-discovery
  - O/S provisioning (optional)
  - Command Line Interface (optional)
  - Blade power metering (optional)
  - Remote BIOS upgrade (optional)
  - Advanced front panel LCD management
  - Remote serial console (optional)
  - Multi-rack support (optional)
  - Microsoft Operations Management Support (optional)
  - Active directory and LDAP integration (optional)

### Environmental

- Operating Temperature
  - 10° C to 25° C (50° F to 77° F)
- Non-operating Temperature
  - 40° C to 65° C (-40° F to 149° F)

### Front View



### Rear View



### Internal View



Verari Systems 9449 Carroll Park Drive, San Diego, CA 92121 USA Phone 858-874-3800 or 888-942-3800 Web [www.verari.com](http://www.verari.com)

© 2008, Verari Systems Incorporated. All Rights Reserved. Verari Systems, BladeRack and the Verari Systems logo are trademarks or registered trademarks of Verari Systems Incorporated. Intel, Intel logo, Intel Xeon and Pentium 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 Verari Systems Incorporated. Technical specifications subject to change without notice.

M367 E 07 23 08

