

VB2242XL Blade Server



SCALABLE PERFORMANCE, EXPANSIVE CAPACITY, PROVEN DEPENDABILITY AND BUILT FOR VIRTUALIZATION



PRODUCT OVERVIEW

The Verari Systems® VB2242XL blade server for the BladeRack® 2 XL is a high-performance blade system that is optimized for space-constrained enterprise computing and data center installations. The VB2242XL is a perfect solution for today's Web 2.0 applications, where virtualization of resources is a key factor in their ROI as in Software as a Service (SaaS) and web hosting companies.

Certified for use with VMware® ESX Server, the VB2242XL blade server is an ideal system for virtual machine serving and enables server consolidation while reducing operational expenses.

The VB2242XL blade server is available with up to six Gigabit Ethernet ports and Fibre Channel HBAs. The VB2242XL features up to 192GB of DDR2 memory and a 1066MHz front side bus for increased performance. With faster processors, fully buffered DIMM modules and Intel® Virtualization technology, the VB2242XL

is the ideal solution for a full range of memory and compute intensive applications.

The VB2242XL blade server supports up to four Six-Core Intel® Xeon® 7400 Series Processors, new memory and I/O innovations which boost system performance. The VB2242XL provides exceptional scalability and features Intel's Demand Based Switching and I/O AT technology, which provide increased power efficiency and network performance to meet the demanding requirements of today's enterprise workloads.

The Verari Systems VB2242XL blade server is designed for today's intelligent data centers and is available with advanced features such as IPMI 2.0 management, KVM-IP and remote media, which allows for hardware monitoring, complete power control and software installation and maintenance to be achieved without ever having to visit the server.

FEATURES AT A GLANCE

- Six-Core Intel® Xeon® Processors 7400 Series
- Up to 192GB DDR2 ECC Memory
- Intel I/O AT 2 and 64MB Snoop Filter
- Up to Four SAS Hard Drives
- Six Gigabit Ethernet Ports
- Two 4GB Fibre Channel Ports
- VMware® ESX 3.5 Certified
- Up to 320GB Internal SSD Storage

General Specifications

Processor

Options Include Four of the Following:

- Dual-Core Intel® Xeon® Processors 7200 (up to 2.93GHz)
- Quad-Core Intel Xeon Processors 7300 (up to 2.4GHz)
- Quad-Core Intel Xeon Processors 7400 (up to 2.4GHz)*
- Six-Core Intel Xeon Processors 7400 (up to 2.4GHz)*

Chipset

- Intel 7300 Chipset
- LSI 1068E SAS Controller

Memory

- Supports Up to 192GB DDR2-667 ECC Registered Memory
- 24 FBDIMM Sockets

Storage

Options Include Up to 900GB of Internal Storage:

- 588GB Via Four 2.5" SAS Hard Drives
- 900GB Via Two 3.5" SAS Hard Drives

Up to 320GB Internal SSD Storage

- Up to Four 32GB SLC SSD Drives (250MB/s and 35k+ Read IOPS)
- Up to Four 80GB MLC SSD Drives (250MB/s)

Operating Systems

- VMware® ESX Server 3.5

Virtualization Options

- Storage Support
 - Internal SAS storage
 - iSCSI SAN storage
 - Fibre channel SAN storage
 - Advanced Features
 - Live migration (VMotion)*
 - High availability*
 - Dynamic workload management*
- *Requires VMware Virtual Center Server

Networking

- Six Intel® Gigabit Server Network Connections
- Intel 82575EB Onboard Network Controller
- Intel 82571GB Based NIC

Integrated Graphics

- ATI ES1000 Controller
- 32MB Video Memory

Expansion Options

- PCI Express SAS RAID Card (RAID 5)

Fibre Channel Options

- Qlogic QLE2462-E-SP Dual Port 4GB HBA
- Emulex LPE11002 Dual Port 4GB HBA

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)

Regulations

- Safety EN60950
- Regulatory Markings CSA, CD, Nemko (when installed in BladeRack 2 XL)

Standard Interfaces

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

Management and Monitoring

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

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 Virgin America, Morgan Stanley, Wachovia, Akamai, Microsoft, Qualcomm, 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 Verari Systems' line of award-winning high density blade storage and servers, rack-optimized platforms and software solutions.

Front View



Rear View



Internal View



*ESX certification TBD on Xeon 7400 Series Processors

Verari Systems 9449 Carroll Park Drive, San Diego, CA 92121 USA Phone 858-874-3800 or 888-942-3800 Web www.verari.com

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