

# SUN BLADE 6000 DISK MODULE

## KEY FEATURES

### BEST-IN-CLASS BLADE STORAGE SCALABILITY

- Best-in-class scalability, with a wide range of capacity and performance choices adding up to 1.2 TB, or 8 HDDs, storage capacity to each Sun Blade 6000 server module
- Cost-effective direct attached storage for Sun Blade servers
- The industry's first Network Express Module combo design for cost-effective I/O expansion with united GbE and SAS technology
- Simple manageability
- Fast deployment with convenient plug-in-and-deploy design
- Implementation, support, training, and managed services available

*Storage capacity demands are increasing annually at a rate of more than 50 percent. You need faster and more flexible ways to scale your storage capacity with reduced cost and complexity. The massively scalable Sun Blade 6000 disk module from Oracle meets this need, with improved uptime, superior performance and availability, and shorter time to business readiness—all in a blade form factor. The agile Sun Blade 6000 disk module speeds deployment with its plug-in-and-deploy design, as well as streamlined, centralized management with no learning curve.*



**The Sun Blade 6000 disk module provides a fast, easy, and cost-effective way to increase the storage of your Sun Blade 6000 modular system.**

### Massive Scalability at Minimal Cost

You can use the Sun Blade 6000 disk module to expand the Sun Blade 6000 modular system's existing internal storage by as much as 12 disks—the best scalability available, even surpassing many rack servers. It leverages the underlying SAS infrastructure built into the server modules and chassis midplane to provide 50 percent more storage capacity than HP and 200 percent more than IBM, while it's 20 percent more cost effective than external storage solutions for needs under 1.1 TB. Each storage module has eight front-accessible, hot-pluggable drives, and each is factory-matched to an adjacent server module; five storage modules can be configured into a Sun Blade 6000 modular system, for storage expansion on the fly. It's the fast, easy, and cost-effective way to add more than 1 TB of data storage to the Sun Blade 6000 modular system.

And it does all this with superior data protection, supporting RAID 0/1/5 through the server module's host SAS controller.

### High Performance, Low Operational Overhead

The storage module arrives ready for Oracle's Solaris 10 Operating System as well as the Solaris Zettabyte File System (ZFS) from day one, ensuring that it offers record-breaking performance along with all this storage, for superior scalability and data integrity. Its design efficiency also significantly reduces power and cooling costs. And the innovative Sun Blade multifabric NEM combines GbE and SAS, further reducing costs and the need for I/O slots. The Sun Blade 6000 disk module makes your data center more streamlined, reliable, agile, and efficient—to improve ROI and enhance cost effectiveness and performance.

### Sun Blade 6000 Disk Module Specifications

Architecture
Enclosure
<ul style="list-style-type: none"> <li>• High-density blade form factor design—up to five storage modules in one Sun Blade 6000 modular system</li> <li>• Up to eight SAS small form factor (SFF) disk drives per module</li> <li>• Designed to support SATA and SSD in the future</li> </ul>
SFF Disk Drive Support
<ul style="list-style-type: none"> <li>• SAS interface: 73 GB 15,000 rpm, 73 GB 10,000 rpm, and 146 GB 10,000 rpm</li> </ul>
Storage
<ul style="list-style-type: none"> <li>• Two 3.0 Gb/sec SAS interfaces to midplane for routing to NEM GbE and SAS</li> </ul>
Physical Management
<ul style="list-style-type: none"> <li>• In-band SCSI enclosure service via Chassis Management Module (CMM)</li> </ul>
Logical Management
<ul style="list-style-type: none"> <li>• In-band via onboard SAS controller of the assigned server module</li> </ul>
Software
Operating Systems
<ul style="list-style-type: none"> <li>• Solaris 10 Operating System Update 5</li> <li>• Red Hat Enterprise Linux 4.6 (64-bit)</li> <li>• Red Hat Enterprise Linux 5.1 (64-bit)</li> <li>• SUSE Linux Enterprise Server 10 SP1 (64-bit)</li> <li>• VMware 3.0.2 Update 1</li> <li>• VMware 3.5 Update 1</li> <li>• Windows 2003 R2 SP2 (32-bit/64-bit)</li> <li>• Windows 2008 Datacenter (32-bit/64-bit)</li> </ul>
Dimensions and Weight
<ul style="list-style-type: none"> <li>• Height: 44.45 mm (1.75 in.)</li> <li>• Width: 327.15 mm (12.88 in.)</li> <li>• Depth: 496.82 mm (19.56 in.)</li> <li>• Weight: 6.26 kg (13.80 lb.) empty—no disks or memory</li> <li>• Weight: 8.28 kg (18.25 lb.) fully configured</li> </ul>

### Warranty

Visit [oracle.com/sun/warranty](http://oracle.com/sun/warranty) for Oracle's global warranty support information on Sun products.

### Services

Visit [oracle.com/sun/services](http://oracle.com/sun/services) for information on Oracle's service program offerings for Sun products.

### Contact Us

For more information about Oracle's Sun Blade 600 disk module, please visit [oracle.com/sun](http://oracle.com/sun) or call +1.800.786.0404 to speak to an Oracle representative.



| Oracle is committed to developing practices and products that help protect the environment

Copyright © 2008, 2009, Oracle and/or its affiliates. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd. 0909