



Overview and Frequently Asked Questions

Sun Storage 6Gb SAS PCIe Host Bus Adapter

Overview

Oracle's Sun Storage 6Gb SAS PCIe HBA technology provides an opportunity to reduce data center costs by providing higher performance and simplified storage management. The Sun Storage 6Gb SAS PCIe HBAs from Oracle deliver high performance and protects current data center investment.

The Oracle 6Gb SAS HBA Advantage

The Sun Storage 6Gb SAS PCIe HBAs have been designed specifically for use in Oracle's Sun servers. They exceed the business requirements of the enterprise data center with higher performance, investment protection, and increased power and cooling efficiency. Oracle solves enterprise-wide business challenges with a comprehensive offering of hardware, software, and services, providing customers with a total end-to-end solution. This end-to-end solution provides world class interoperability testing, service and support, and support for Sun and third-party storage arrays. And, Sun Storage 6Gb SAS HBA architecture simplifies storage management to improve resource use.

Customer Benefits

The customer benefits of implementing Sun Storage SAS 6Gb PCIe HBAs in the datacenter include and investment protection and high performance

Investment Protection

Preserve your existing investment in SAS storage with the new Sun Storage 6Gb SAS PCIe HBAs. It leverages the software driver stacks that have been deployed and battle-hardened in millions of previous installations, and preserves familiar SAS concepts.

High Performance

Boost your system performance with 6 Gb/sec speed and full hardware offload for SAS protocol processing. Your next-generation data center requires the high-performance

capabilities of the Sun Storage 6Gb SAS Host Bus Adapter. With cutting edge 6 Gb/sec bandwidth eliminates performance bottlenecks in the I/O path with a 2X data rate improvement versus existing 3Gbps SAS solutions. The Sun Storage 6Gb SAS PCIe Host Bus Adapter delivers up to 290,000 IOPS per port for truly superior performance. And full hardware offload for SAS protocol processing reduces system CPU utilization for I/O operations, which leads to faster application performance and higher levels of consolidation in virtualized systems.

Frequently Asked Questions

What is SAS?

The SAS interface provides universal interconnect with Serial ATA (SATA), while still offering logical SCSI compatibility along with the reliability, performance, and manageability available in SAS drives. Common electrical and physical connection allows for the application to dictate the technology of choice for SAS storage devices.

What are the main applications for 6Gb SAS?

The applications for 6Gb SAS include: database, web hosting, email, file/print, streaming media, backup and disaster recovery using tape SAS tape.

Is there a significant performance advantage of 6Gb SAS HBAs when compared 3Gb SAS HBAs?

Yes. Due to the PCIe 2.0 and SAS 6Gb capabilities of the 6Gb SAS HBAs there will significant performance and scalability advantages of the these HBAs when compared to the previous generation 3Gb SAS HBAs

What formats are supported?

These new Sun Storage 6Gb SAS PCIe HBAs supports the following formats: low profile external, low profile internal, ExpressModule and REM form factor HBAs.



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What storage devices are supported by the Sun Storage 6Gb SAS PCIe External HBA?

The Sun Storage 6Gb SAS PCIe External HBAs supports the following storage devices: SAS tape, Sun Storage 2530 SAS storage array, and the F5100 Flash storage device.

Where can I find out more information?

You can contact your Oracle Sales representative directly or call 1-800-Oracle1. For more information about the Sun Storage 6Gb SAS PCIe HBAs on the web, go to:

<http://www.oracle.com/us/products/servers-storage/storage/storage-networking/index.html>

Pricing for all Oracle Networking products can be found at:

www.oracle.com/pricing



Oracle Corporation
Worldwide Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.
Worldwide Inquiries
Phone: +1.650.506.7000
+1.800.ORACLE1
Fax: +1.650.506.7200
oracle.com



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