

# Network Interface Card and Host Bus Adapter Interoperability Solution for Hitachi Simple Modular Storage 100

Hitachi Simple Modular Storage 100 is a simple and reliable storage solution for small and medium businesses (SMBs) that offers enterprise-class features and data protection solutions for Microsoft® Windows 2003 SAN attached servers.

This economical storage platform provides radically simplified installation and management, Microsoft Windows-friendly integration and ease of iSCSI-based SAN setup, which result in:

- Maximized infrastructure investments through centralization of resources
- Effective backup and restore operations with shorter backup windows
- High availability for critical data
- Elimination of the need for dedicated storage staff
- Economic management of significantly more data capacity

This datasheet describes Hitachi Data Systems policies and requirements for network interface card (NIC) and host bus adapter (HBA). Please note that this document is for informational purposes and is subject to change without notice. The information is to serve as a guide for those configurations/products qualified by Hitachi Data Systems. It is not intended to be the sole resource for system configuration.

## Policies for Qualifying NICs and HBAs

The information in this datasheet related to NIC, HBA and system configurations covers only those outlined in this document. Other system configurations not found in this document are not qualified. Hitachi Data Systems has qualified only connectivity of hardware and software provided by the vendors listed in this document. Host systems, hardware and software from other vendors are not qualified. Please contact your Hitachi Data Systems representative for updates or information not included in this document. Hitachi Data Systems maintains a large collection of the products listed above as well as third-party application software for qualification with Hitachi storage systems and to evaluate customer environments, but we recommend that you consult the vendors for information about their system internals, such as hardware and associated drivers.

## Business Solutions

Hitachi Data Systems and its Hitachi TrueNorth™ Channel Partners offer industry-leading technology to help organizations of all sizes meet their unique requirements for business continuity, regulatory compliance and data recovery. Together, we provide cost-effective storage products and solutions that leverage world-renowned Hitachi global R&D resources to deliver performance, availability and scalability—supporting business critical applications and strengthening competitive advantage.

## Complementary Solutions

- Hitachi ShadowImage® Replication software for full volume backups and recovery (available on dual controller models)
- Hitachi Simple Data Recovery software for asynchronous copy between Simple Modular Storage devices (available on dual controller models)

## Policy for Future Qualification of Operating System Software Releases

The information in this document is maintained by Hitachi Data Systems and will be periodically updated with new releases of hardware and operating systems, etc., as new information becomes available. Hitachi Data Systems works with the product vendors during development and release processes to be fully informed on software release availability.

## Policy for End-of-life Support

Hitachi Data Systems strives to continue support for any installed platforms, but may discontinue support for new installations within a specified period of time after the vendor has announced that this platform has reached the end of life. Hitachi Data Systems will continue supporting existing installations of hardware, operating systems and components that have officially reached end of life as long as product vendor support is available.

## General Information for Hitachi Simple Modular Storage 100

### Configuration Rules: Hitachi Simple Modular Storage 100

- A total of 255 servers are supported per storage system.
- A total of 2048 logical units per storage system are supported.
- User installable HBAs are limited to QLogic C models.

Please check with your Hitachi Data Systems representative for detailed feature availability information.

## Network Interface Card and Host Bus Adapter Support

The table below describes the supported host operating systems for Hitachi Simple Modular Storage 100. Updated October 9, 2007.

Operating System	Update	Architecture	HBA*	Driver
Sun Solaris 10	U2, U3, U4	SPARC	NIC	
Sun Solaris 10	U2, U3, U4	x64	NIC	
Microsoft® Windows XP	SP2	IA32	NIC	
			QLA405xC	
Microsoft Windows Vista		IA32	NIC	
			QLA405xC	
		x64	NIC	
			QLA405xC	
Microsoft Windows 2003	SP1, R2, SP2	IA32	NIC	v2.04
			QLA405xC	v2.1.4.17
	SP1, R2, SP2	x64	NIC	v2.04
			QLA405xC	v2.1.4.17
Red Hat RHEL 4	U5	IA32	NIC	v4.0.3.0-5
			QLA405xC	v5.00.04
	U5	x64	NIC	v4.0.3.0-5
			QLA405xC	v5.00.04
Red Hat RHEL 5		IA32	NIC	6.2.0.742
			QLA405xC	v5.01.00-08
		x64	NIC	6.2.0.742
			QLA405xC	v5.01.00-08
SuSE SLES 10	SP1	IA32	NIC	v1.5.5b
			QLA405xC	v5.01.00-08
		x64	NIC	v1.5.5b
			QLA405xC	v5.01.00-08
Asianux AX 2.0	Latest	IA32	NIC	
RedFlag DC Server 5.0		x64	NIC	
VMware ESX 3.0.1		IA32/x64	NIC	Bundled (v3.4.2)
			QLA405xC	Bundled (v3.00.24)
VMware ESX 3.0.2		IA32/x64	NIC	Bundled (v3.4.2)
			QLA405xC	

\* iSCSI NIC of host should be a network port on the motherboard or a network interface or TCP offload engine (TOE) card that is supported by the host vendor.

Compliments of:  Hitachi Data Systems Corporation



3835R E. Thousand Oaks Blvd. #315  
Westlake Village, CA 91362  
Tel 877.230.2837 / Fax 805.435.2500  
www.ess-direct.com

Hitachi is a registered trademark of Hitachi, Ltd., and/or its affiliates in the United States and other countries. Hitachi Data Systems is a registered trademark and service mark of Hitachi, Ltd., in the United States and other countries.

TrueCopy and ShadowImage are registered trademarks and TrueNorth is a trademark of Hitachi Data Systems Corporation. All other trademarks, service marks and company names are properties of their respective owners.

Notice: This document is for informational purposes only, and does not set forth any warranty, express or implied, concerning any equipment or service offered or to be offered by Hitachi Data Systems. This document describes some capabilities that are conditioned on a maintenance contract with Hitachi Data Systems being in effect, and that may be configuration-dependent, and features that may not be currently available. Contact your local Hitachi Data Systems sales office for information on feature and product availability.

Hitachi Data Systems sells and licenses its products subject to certain terms and conditions, including limited warranties. To see a copy of these terms and conditions prior to purchase or license, please go to <http://www.hds.com/corporate/legal/index.html> or call your local sales representative to obtain a printed copy. If you purchase or license the product, you are deemed to have accepted these terms and conditions.

© Hitachi Data Systems Corporation 2007. All Rights Reserved.  
DS-031-A DG December 2007