



QLogic Intelligent Storage Router Reference Card

QLOGIC SAN INTEROPERABILITY, SIMPLIFIED. 10/07

QLogic® makes connecting iSCSI-based servers to storage services already deployed on a Fibre Channel SAN simple. Just follow the easy reference sheet below to find certified QLogic SANbox® Intelligent Routers for your SAN. Powered by QLogic®, fully tested and certified, the following certification information has been gathered from the leading SAN providers listed below. For detailed interoperability information, see the QLogic SAN Interoperability Guide at <http://connect.qlogic.com/interopguide/info.asp>.

QLogic SANbox 6140 Series Intelligent Storage Router Certification Guide

Partner	Certification	Operating System
Brocade	SilkWorm 3800, 4100 Switches	Windows
Cisco	Cisco MDS 9216	Operating System Independent
Compellent	Compellent Storage Center	Red Hat Linux, Windows
Computer Associates	BrightStor ARCserve Backup	Windows
EqualLogic	PS100E Storage Array	Red Hat Linux, Windows
FalconStor	FalconStor Software	Operating System Independent
Hewlett-Packard	EVA3000 and EVA5000 with VCS; EVA4000, EVA6000, and EVA8000 with XCS	Red Hat Linux, SuSE Linux, Windows
Hitachi Data Systems	TagmaStore Adaptable Modular Storage (AMS), TagmaStore Workgroup Modular Storage (WMS)	Windows
IBM	IBM System Storage Proven Qualified: DS3000, DS4000 (FASTT), DS6000/DS8000, Enterprise Storage Server (ESS) 750/800/F20, IBM Tape, System i, System p, System x, BladeCenter	Operating System Independent
Infortrend	F16F-R2021-6	Operating System Independent
iQstor	iQ1000 (2Gb FC-FC), iQ1200 (2Gb FC-SATA), iQ1210 (FC-SATA)	Windows
LeftHand Networks	Network Storage Module (NSM 100), NSM 150	Red Hat Linux, Windows
McDATA	Sphereon 4700 Switch	Windows
NetApp	NetApp NearStore Virtual Tape Library (VTL)	Red Hat Linux, Windows
Quantum	DXi3500, DXi5500, PX502, PX506, PX510, PX720 Libraries	Windows
Sun Microsystems	StorageTek Tape Drive Type: HP LTO-3 FC 4Gb, IBM LTO-3 FC 4Gb	Red Hat Linux
Symantec/VERITAS	Backup Exec	Windows
	NetBackup Enterprise Server, NetBackup Server	Operating System Independent
Xiotech	Magnitude 3D 1000	Operating System Independent
Xyratex	RS-1600/2-F4-SBD (also known as RS-1600/2-F4)	Operating System Independent

QLogic SANbox 6142 Series Intelligent Storage Router Quick Certification Guide

Partner	Certification	Operating System
Brocade	Brocade 200E, 240E Switches	Windows
	SilkWorm 2800, 4100 Switches	Red Hat Linux, SuSE Linux, Windows
CipherOptics	CipherOptics IP Security Gateway (SG100, SG1002), CipherOptics Ethernet Security Gateway (ESG100, ESG1002)	Operating System Independent
Cisco	Cisco MDS 9216	Red Hat Linux, SuSE Linux, Windows
Compellent	Compellent Storage Center	Red Hat Linux, Windows
EMC	EMC CLARiiON	NetWare, Red Hat Linux, Solaris, SuSE Linux, Windows
	EMC MirrorView, SAN Copy	Operating System Independent
EqualLogic	PS100E Storage Array	Red Hat Linux, Windows
Hewlett-Packard	StorageWorks Continuous Access EVA Software	Operating System Independent
IBM	IBM System Storage Proven Qualified: DS3000, DS4000 (FASTT), DS6000/DS8000, Enterprise Storage Server (ESS) 750/800/F20, IBM Tape, System i, System p, System x, BladeCenter	Operating System Independent
LeftHand Networks	Network Storage Module (NSM 100), NSM 150	Red Hat Linux, Windows
LSI/Engenio	Engenio Software	Red Hat Linux, Windows
McDATA	Sphereon 4400 Switch	Red Hat Linux, SuSE Linux, Windows
NetApp	NetApp NearStore Virtual Tape Library (VTL), NetApp Storage System FAS920c	Red Hat Linux, Windows
Quantum	PX502, PX506, PX510, PX720 Libraries	Windows
Symantec/VERITAS	Backup Exec	Windows
	NetBackup Enterprise Server, NetBackup Server	Operating System Independent
Xiotech	Magnitude 3D 3000	Operating System Independent
Xyratex	RS-1600/2-F4-SBD (also known as RS-1600/2-F4)	Operating System Independent

QLogic Product Ordering Information

Model Number	Description
ISR6140	ISR6140 with 2 FC ports, 2 iSCSI ports, 512 iSCSI initiators, single power supply
ISR6142	ISR6142 with 2 FC ports, 2 iSCSI ports, 16 FC devices, single power supply
LK-ISR6142-SW	SmartWrite™ feature license for ISR6142-CK



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The QLogic SANbox 6000 Series Intelligent Storage Router Family

The QLogic SANbox 6000 has two models based on the same hardware platform — the SANbox 6140 for low cost multi-protocol SAN connection via iSCSI, and the SANbox 6142 for SAN extension over WANs.

QLogic SANbox 6140

The SANbox 6140 provides low cost multi-protocol SAN connectivity between servers, storage, and SANs.

- On the storage side, the router provides any SAN devices with multi-protocol connectivity. Now all RAID, VTL, and tape library and drive devices can be accessed via iSCSI without using precious FC connection slots.
- The SANbox 6140 routes traffic between iSCSI and FC, providing low cost multi-protocol support for all FC devices.
- On the server side, the router leverages the native iSCSI initiators provided in Solaris, Linux, and other leading OSs.
- Additionally, the SANbox 6140 supports leading iSCSI HBAs.

QLogic SANbox 6142

The SANbox 6142 bridges iSCSI to Fibre Channel SANs to provide IT administrators with a cost-efficient method of connecting SANs over WANs.

- The router provides SAN over WAN connection for disaster recovery (DR), replication, and SAN bridging.
- The SANbox 6142 features SmartWrite, QLogic's patent pending technology for accelerating replication over WANs with applications such as EMC MirrowView and SANCopy, HDS TrueCopy, IBM ShadowCopy, Symantec VERITAS Replication, and Microsoft VSS (Volume Shadow Services).
- QLogic SmartWrite can provide up to 60% performance improvement for less than half the cost of competitive SAN extension solutions.