

D-Link®

Interoperability Matrix

DATE UPDATED: 10.20.2011

This matrix references items that have been successfully tested with our DSN-1100, 2100, 3200, 3400, 4100, 4200 and 5000 Series SAN solutions. If there is an item of interest to you that does not appear on this list, please feel free to contact D-Link. For specific installation and update instructions, please reference the respective 3rd party documentation.



NIC VENDOR	MODEL
Intel	Pro 1000MT & XT [1GbE]
Intel	Pro 10000 CX4 [10GbE]
Myricom	10G-PCIE-8A-C+E [10GbE]
Chelsio	S310X-SR-XFP [10GbE]
Neterion	Xframe II & Xframe E [10GbE]
iSCSI ACCELERATOR VENDOR	MODEL
Alacritech	SES2104ET (drivers: SNP 9.1.0.1092 & 7.3.1.0)
Alacritech	SES2102ET (drivers: SNP 9.1.0.1092 & 7.3.1.0)
iSCSI HBA VENDOR	MODEL
QLogic	QLA4010C QLA 4052C QLE4062C
SWITCH VENDOR	MODEL
Dell	Power Connect 3424 [1GbE] (requires 1GbE connections)
Dell	Power Connect 5224 [1GbE]
Cisco	Catalyst 2960 [1GbE]
Raptor	ER 1010 [10GbE]
Fujitsu	XG1200 [10GbE]
HP	ProCurve 6400cl (J8433A) [10GbE] w/ XENPAK SR (J8175A)
D-Link	DXS 3250 & 3350 [1GbE & 10GbE]
Extreme	Summit 400-48T
Force10	S-Series S2410 [1GbE & 10GbE]
10GbE XFP TRANSCEIVER VENDOR	MODEL
D-Link	DEM-421XT [850nm]
D-Link	DEM-422XT [850nm]
Picolight (JDSU)	PL-XXL-SC-S45-SS [850nm]
JDS Uniphase	JXP-01SWAA1 [850nm]
Intel	TXN181070850X28 [850nm]
Infineon	V2833-F0005-B101 QS [850nm]
Emcore CX4 Transceiver	ECX-7700-XFP-01 [Copper]



Operating System.ZONE

MICROSOFT	NOTES
Vista 32-bit & x64 (Ultimate & Enterprise)	MS iSCSI initiator
Windows Server 2003 R2 SP1 32 & 64-bit (Standard & Enterprise)	MS iSCSI initiator v2.07 or later
Windows Server 2008 Enterprise 32 & 64-bit	MS iSCSI initiator
Windows XP Pro 32 & 64-bit	MS iSCSI initiator or later
Windows 2000 Advanced Server	No MS iSCSI Initiator support, QLogic HBA only
LINUX	NOTES
Red Hat 7.3	Open Source Linux Driver Version: 3.6.3 QLogic iSCSI HBA QLA4010c, QLA4010 Driver Version: 3.09b1, Firmware Version: 2.0.0.5
Red Hat Enterprise AS 4 update 5 (64-bit)	Kernel: 2.6.9-55 Enterprise linux software iSCSI initiator: iscsi-initiator-utils-4.0.1.11-4
Red Hat Enterprise 5 update 2 (64-bit)	Increased compatibility with latest stable release of open-iscsi initiator v2.0-865.15 & 1.6.2 Software release
SuSE Professional 9.3 32-bit	Linux Software Initiator version 4.0.188.18 (Cisco)
SuSE Enterprise Server 10.2 32-bit	NOTE: Using QLogic QLA4010C HBA w/3.22 driver Kernel: 2.6.16.46-0.12_smp i386 32-bit
UNIX	NOTES
Sun Solaris 10 build 6/06	SUN iSCSI Software Initiator 1.0 (Bundled with release 01/06 or later). MPIO not tested.
IBM AIX 5L	AIX Software Initiator 5.3.0.20 (Bundled with operating system). MPIO not tested.
VMware	NOTES
ESX Server 3.0.2 (DSN-1000/2000/3000/4000 Series) & 3.5 (DSN-5000 Series) (certified)	Must have v1.5.1.36 or higher in order to use the software iSCSI initiator. Or, simply use either QLogic 4010C or 4052C HBAs for hardware iSCSI initiator connectivity
ESX Server 4.0 (DSN-1000/2000/3000/4000/5000 Series) (certified)	Must have v2.6.0.23 or higher in order to use the software iSCSI initiator.
ESXi Server 5.0 (DSN-1000/2000/3000/4000/5000 Series)	Must have v2.6.0.23 or higher in order to use the software iSCSI initiator.
Virtual Iron	NOTES
Virtual Iron v4.2	Use v1.6.0.81 or higher
XenSource	NOTES
Citrix XenServer v4 (certified)	Basic iSCSI Connectivity w/ v1.6.0.81 or higher
Apple	NOTES
Mac OSX (10.4 & 10.5)	iSCSI Software Initiators: - ATTO Xtend SAN 3.2 - Studio Network Solutions GlobalSan v3.3.0.43



DSN-1000/2000/3000 Series

Seagate Constellation family of 3.5-inch SATA hard drives <=2TB size

Hitachi Ultrastar family of 3.5-inch SATA hard drives <=2TB size

DSN-4000/5000 Series

NOTE:

- **DSN-5000 Series Single Controller systems support SATA or SAS drives for both Primary and Expansion arrays.**
- **DSN-5000 Series systems with SATA drives cannot be upgraded to redundant controllers.**
- **DSN-5000 Series Dual Controller systems support only SAS drives for both Primary and Expansion arrays.**

Seagate Constellation family of 3.5-inch SAS & SATA hard drives <=2TB size

Seagate Cheetah family of 3.5-inch SAS hard Drives <=2TB size

Hitachi Ultrastar family of 3.5-inch SAS & SATA hard drives <=2TB size



DSN-1000/2000/3000/4000 Series

DDR 333MHz (PC2700) DIMM	PART #
Kingston 256MB	KVR333S8R25/256 A00
Kingston 512MB	KVR333S8R25/512 A02
Kingston 1GB	KVR333S8R25/1G A00
Infineon 256MB	HYS72D32300[G/H]BR-6-C
Micron 512MB	PC2700R-25331
IBM 1GB	MT18VDDF 12872DG-335D3

DDR 400MHz (PC3200) DIMM	PART #
Virtium 256MB	VL383L3223E-B3S
Virtium 512MB	VL383L6523E-B3S
Virtium 1GB	VL383L2923E-B3S

DIMM SPECIFICATION

333MHz (PC2700)
400MHz (PC3200)

NOTE: There are four DIMM sockets on the iStor Storage Controller. Two sockets for System memory and two sockets for Cache memory. Either dual rank or single rank are compatible with currently shipping iS3xx series products. It makes no difference if the pairs are different; only that each pair is made up of two matching DIMMs (e.g. two single rank DIMMs for System memory and two dual rank DIMMs for Cache memory).

SDRAMs must be JEDEC compliant and DDR333 capable with a CAS latency of 2.5.

NOTE: PC3200/DDR400 DIMMs can be used **ONLY** if they support a 2.5 CAS latency when operating at 333MHz.

ECC	DIMMs must be organized as x72 bits wide, allowing support for ECC.
X8 DRAMs	ALL DIMMs must use 8-wide DRAMs that can support data mask (DM) signals. DIMMs that use 4-bit wide DRAMs do NOT provide DM signals and cannot be used.
Registered	DIMMs must be registered as per the JEDEC specification
Buffered	DIMMs must be buffered as per the JEDEC specification



Software.ZONE

DATABASE	VERSION
MySQL Enterprise	5
Microsoft SQL	2003
DATA PROTECTION & DR	VERSION
ca BrightStor ARCserve Backup	Client Agent for Windows r12.0 build 5454
Microsoft System Center DPM	Data Protection Manager v2007
Symantec Storage Foundation	5 32-bit; Windows Server 2003 R2
Symantec BackupExec	11d
InMage DR	Scout 32-bit Windows Server 2003 R2
esXpress	3.1 (the ONLY scalable and completely fault tolerant backup, restore & disaster recovery for Virtual Infrastructure v3.x)
veeam	Backup v2
FilesX Xpress Restore	ST 32-bit Windows Server 2003 R2
Datacore SANmelody	Lite 32-bit Windows Server 2003 R2
Double-Take Software	DT-Backup, DT-Availability
Atempo	Time Navigator, Live Backup
FILE SHARING & SAN MANAGEMENT	VERSION
StoreAge SVM (Storage Virtualization Manager)	5 (MultiView & MultiMirror)
Sanbolic MelioFS	2
Tiger Technology MetaSAN iSCSI	2.2
CommandSoft FibreJet	2.5.9
VIDEO EDITING & WORKFLOW	VERSION
Apple Final Cut Pro	5
Adobe Premiere Pro	2
VIRTUALIZATION	VERSION
Microsoft Virtual Server	2005 R2
VMware ESX Server (CERTIFIED)	3.0.2, 3.5, 4.0
VMware Server	1.02
Microsoft Hyper-V	As distributed w/Windows Server 2008 Enterprise 64-bit
VMware Workstation	6
Virtual Iron v4.2	Requires firmware v1.6.0.81 or higher
XenSource (CERTIFIED)	Citrix XenServer v4
BOOT FROM SAN	VERSION
emboot winBoot/i	2.5