



HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC SUSE Linux Enterprise Server 10 IA32/x64

Modified Date: Wed, 19 Feb 2014 00:00:00 GMT

PDF Generated Date: Fri, 07 Mar 2014 15:40:38 GMT

Overview

This document contains information regarding compatibility and interoperability for a "configuration set" of Storage Area Network (SAN) components. A configuration set is a collection of components that are compatible in a particular context. For example, configuration sets of type "array-os" contain components that are compatible from an array-os perspective. An example of an array-os config set is the "EVA4400 Microsoft Windows Server 2008 IA64" config set. It describes the components that are currently supported for the EVA4400 array in a Windows 2008 IA64 environment.

It is very important that you note the details of the components listed in these tables, as they describe the specific attributes of supported component versions. It is also very important to examine the notes in each section, because they may further limit or clarify supported configurations.

The contents of this document were generated from the SPOCK website, located at: <http://spock.corp.hp.com> (HP Employees) or <http://www.hp.com/storage/spock> (HP Customers and Partners) .

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General notes about this configuration set

For specific configuration guidelines and coexistence information, refer to the SAN Design Reference Guide at <http://h18000.www1.hp.com/products/storageworks/san/documentation.html>.

Links

[Solution Software: Application Notes](http://h20272.www2.hp.com/utility/document.aspx?docurl=Shared%20Documents/Solution_Software/All/SolSW_Application_Notes.pdf) -(http://h20272.www2.hp.com/utility/document.aspx?docurl=Shared%20Documents/Solution_Software/All/SolSW_Application_Notes.pdf)

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Disk Array (7)

Name	Vendor	Family	Firmware	Host Mode
HP 3PAR StoreServ 10400 Storage	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR StoreServ 10400 Storage	HP	3PAR	3PAR OS 3.1.1	1 (Generic)
HP 3PAR StoreServ 10800 Storage	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR StoreServ 10800 Storage	HP	3PAR	3PAR OS 3.1.1	1 (Generic)
HP 3PAR StoreServ 7200 Storage	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR StoreServ 7400 Storage	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR StoreServ 7450 Storage	HP	3PAR	3PAR OS 3.1.2 MU2 or higher	1 (Generic)

Operating System (4)

Name	OS Family	OS Version	Service Pack	Vendor	Architecture
SUSE Linux Enterprise Server 10 IA32	SUSE Linux Enterprise Server	10	SP4	Novell	IA32
SUSE Linux Enterprise Server 10 IA32	SUSE Linux Enterprise Server	10	SP3	Novell	IA32
SUSE Linux Enterprise Server 10 x64	SUSE Linux Enterprise Server	10	SP3	Novell	x64
SUSE Linux Enterprise Server 10 x64	SUSE Linux Enterprise Server	10	SP4	Novell	x64

Cluster Management-High Availability (11)

Name	Vendor	Software Version
IBM General Parallel File System (GPFS)	IBM	3.2
IBM General Parallel File System (GPFS)	IBM	3.3
IBM General Parallel File System (GPFS)	IBM	3.4
IBM General Parallel File System (GPFS)	IBM	3.5
Veritas Cluster Server	Symantec	6.0
Veritas Cluster Server	Symantec	5.0 MP1
Veritas Cluster Server	Symantec	5.0 MP3
Veritas Cluster Server	Symantec	4.1
Veritas Cluster Server	Symantec	6.0.1
Veritas Cluster Server	Symantec	5.1 SP1
Veritas Cluster Server	Symantec	5.0

Notes:**General Cluster Management-High Availability (11) Notes:**

- 1) For Veritas VCS - Symantec SF5.0 MP3 RP2 is the minimum version required to support Symantec Storage Foundation 3PAR Thinly Provisioned Virtual Volume space reclamation.
- 2) For Veritas VCS - SF5.1GA is not supported, SF5.1SP1RP2 is the required minimum for support.
- 3) For Veritas VCS - SF 6.0GA Boot From SAN (BFS) is not supported.
- 4) Symantec/Veritas Storage Foundation (VxDMP/VCS) is supported only with FC-Fabric attach (FC-switched)

Server (3)		
Name	Vendor	Architecture
Link for ProLiant AMD Opteron servers	HP	ProLiant
Link for ProLiant x86 servers	HP	ProLiant
Link to ProLiant EM64T servers	HP	ProLiant

Notes:**General Server (3) Notes:**

- 1) Link for ProLiant x86 servers Notes: ProLiant Server Information for Linux-(<http://h18004.www1.hp.com/products/servers/linux/hplinuxcert-novell.html>)
- 2) Link to ProLiant AMD64 Notes: ProLiant Server Information for Linux-(<http://h18004.www1.hp.com/products/servers/linux/hplinuxcert-novell.html>)
- 3) Link to ProLiant EM64T servers Notes: ProLiant Server Information for Linux-(<http://h18004.www1.hp.com/products/servers/linux/hplinuxcert-novell.html>)
- 4) For Virtual Connect support information, refer to the Virtual Connect support streams on SPOCK

Host Bus Adapter (HBA) (118)													
Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
403619-B2 1	QLogic	PCle	4Gb	403619-B2 1	Loaded By Driver	3.08	QMH2462			1.99AF	8.03.07.13. 10.3-k	N	Y
403619-B2 1	QLogic	PCle	4Gb	403619-B2 1	5.06.05	3.13	QMH2462			2.03AF	8.04.00.09. 10.3-k (OOB) SLES 10 SP4	N	Y
403619-B2 1	QLogic	PCle	4Gb	403619-B2 1	Loaded By Driver	2.16	QMH2462		2.22	1.96AF	In Box	Y	Y
403619-B2 1	QLogic	PCle	4Gb	403619-B2 1	Loaded By Driver	3.13	QMH2462			2.03AF	8.04.00.06. 10.3-k2	N	Y
403619-B2 1	QLogic	PCle	4Gb	403619-B2 1	5.06.05	3.13	QMH2462			2.03AF	8.04.00.09. 10.3-k	N	Y
403621-B2 1	Emulex	PCle	4Gb	403621-B2 1	2.82x4	3.20a1	LPe1105			6.10a7	8.2.0.145 (OOB) SLES 10 SP4	N	Y
403621-B2 1	Emulex	PCle	4Gb	403621-B2 1	2.82xa	3.11a5	LPe1105			6.03a11	In Box	Y	Y
403621-B2 1	Emulex	PCle	4Gb	403621-B2 1	2.82x4	3.11a5	LPe1105			6.03a11	8.2.0.136	N	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
403621-B2 1	Emulex	PCle	4Gb	403621-B2 1	2.82x4	3.20a1	LPe1105			6.10a7	8.2.0.145.4 p (OOB) SLES 10 SP4	N	Y
41B	Brocade	PCle	4Gb	AP767A/B	Loaded by Driver	3.0.3.4	415				3.0.0.0	N	Y
41B	Brocade	PCle	4Gb	AP767A/B	Loaded by Driver	3.1.0.2	415				3.1.0.0	N	Y
42B	Brocade	PCle	4Gb	AP768A/B	Loaded by Driver	3.1.0.2	425				3.1.0.0	N	Y
42B	Brocade	PCle	4Gb	AP768A/B	Loaded by Driver	3.0.3.4	425				3.0.0.0	N	Y
451871-B2 1	QLogic	PCle	8Gb	451871-B2 1	5.06.05	3.13	QMH2562			2.58AF	8.04.00.09. 10.3-k	N	Y
451871-B2 1	QLogic	PCle	8Gb	451871-B2 1	5.06.05	3.13	QMH2562			2.58AF	8.04.00.09. 10.3-k (OOB) SLES 10 SP4	N	Y
451871-B2 1	QLogic	PCle	8Gb	451871-B2 1	Loaded By Driver	2.16	QMH2562		NA	2.39AF	In Box	Y	Y
451871-B2 1	QLogic	PCle	8Gb	451871-B2 1	Loaded By Driver	3.08	QMH2562			2.52AF	8.03.07.13. 10.3-k	N	Y
451871-B2 1	QLogic	PCle	8Gb	451871-B2 1	Loaded By Driver	3.13	QMH2562			2.58AF	8.04.00.06. 10.3-k2	N	Y
456972-B2 1	Emulex	PCle	8Gb	456972-B2 1	2.01 a4	3.20a1	LPe1205			6.10a7	8.2.0.145 (OOB) SLES 10 SP4	N	Y
456972-B2 1	Emulex	PCle	8Gb	456972-B2 1	2.00a4	3.11a5	LPe1205			6.03a11	In Box	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
456972-B2 1	Emulex	PCle	8Gb	456972-B2 1	2.01 a4	3.20a1	LPe1205			6.10a7	8.2.0.145.4 p (OOB) SLES 10 SP4	N	Y
456972-B2 1	Emulex	PCle	8Gb	456972-B2 1	2.00a4	3.11a5	LPe1205			6.03a11	8.2.0.136	N	Y
651281-B2 1	QLogic	PCle	8Gb	651281-B2 1	5.06.05	3.13	QMH2572			2.59AF	8.04.00.09. 10.3-k (OOB) SLES 10 SP4	N	Y
651281-B2 1	QLogic	PCle	8Gb	651281-B2 1	5.06.50	3.08	QMH2572		NA	2.50af	8.03.07.03. 10.3-k2	N	Y
651281-B2 1	QLogic	PCle	8Gb	651281-B2 1	Loaded by Driver	3.08	QMH2572		NA	2.51af	8.03.07.13. 10.3-k	N	Y
651281-B2 1	QLogic	PCle	8Gb	651281-B2 1	5.06.05	3.13	QMH2572			2.59AF	8.04.00.09. 10.3-k	N	Y
651281-B2 1	QLogic	PCle	8Gb	651281-B2 1	Loaded by Driver	3.13	QMH2572			2.59AF	8.04.00.06. 10.3-k2	N	Y
804	Brocade	PCle	8Gb	590647-B2 1	3.0.0.0	3.0.3.0	804				3.0.0.0	N	Y
804	Brocade	PCle	8Gb	590647-B2 1	Loaded by Driver	3.1.0.2	804				3.1.0.0	N	Y
804	Brocade	PCle	8Gb	590647-B2 1	Loaded by Driver	3.0.3.4	804				3.0.0.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	Loaded by Driver	3.0.3.4	815				3.0.0.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	Loaded by Driver	3.1.0.2	815				3.1.0.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	3.0.0.0	3.0.3.0	815				3.0.0.0	N	Y
81e	Emulex	PCle	8Gb	AJ762A/B	1.11a5	2.02a2	LPe12000			5.03a10	In Box	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.12a9	LPe12000			5.20a0	8.2.0.134	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.12a9	LPe12000			5.20a0	8.2.0.136	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	5.06.05	3.13	QLE2560			2.58AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	2.16	QLE2560			2.39AF	In Box	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.58AF	8.04.00.06.10.3-k2	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.08	QLE2560			2.52AF	8.03.07.13.10.3-k	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	5.06.05	3.13	QLE2560			2.58AF	8.04.00.09.10.3-k	Y	Y
82B	Brocade	PCle	8Gb	AP770A/B	Loaded by Driver	3.1.0.2	825				3.1.0.0	N	Y
82B	Brocade	PCle	8Gb	AP770A/B	Loaded by Driver	3.0.3.4	825				3.0.0.0	N	Y
82B	Brocade	PCle	8Gb	AP770A/B	3.0.0.0	3.0.3.0	825				3.0.0.0	N	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
82e	Emulex	PCle	8Gb	AJ763A/B	1.11a5	2.02a2	LPe12002			5.03a10	In Box	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.12a9	LPe12002			5.20a0	8.2.0.136	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.12a9	LPe12002			5.20a0	8.2.0.134	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	5.06.05	3.13	QLE2562			2.58AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	2.16	QLE2562			2.39AF	In Box	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.58AF	8.04.00.06.10.3-k2	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.08	QLE2562			2.52AF	8.03.07.13.10.3-k	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	5.06.05	3.13	QLE2562			2.58AF	8.04.00.09.10.3-k	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	5.06.05	3.13	QLE2460		NA	2.03AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF	8.04.00.06.10.3-k2	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.08	QLE2460			1.99AF	8.03.07.13.10.3-k	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	5.06.05	3.13	QLE2460		NA	2.03AF	8.04.00.09.10.3-k	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
FC1142SR	QLogic	PCIe	4Gb	AE311A	Loaded By Driver	2.16	QLE2460		2.22	1.96AF	In Box	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	2.16	QLA2460		2.22	1.96AF	In Box	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	5.06.05	3.13	QLA2460			2.03AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	5.06.05	3.13	QLA2460			2.03AF	8.04.00.09.10.3-k	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF	8.04.00.06.10.3-k2	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.08	QLA2460			1.99AF	8.03.07.13.10.3-k	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	5.06.05	3.13	QLE2462			2.03AF	8.04.00.09.10.3-k	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	2.16	QLE2462			1.96AF	In Box	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.08	QLE2462			1.99AF	8.03.07.13.10.3-k	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	5.06.05	3.13	QLE2462			2.03AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462			2.03AF	8.04.00.06.10.3-k2	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	5.06.05	3.13	QLA2462			2.03AF	8.04.00.09.10.3-k (OOB) SLES 10 SP4	Y	Y

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FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.08	QLA2462			1.99AF	8.03.07.13.10.3-k	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	2.16	QLA2462			1.96AF	In Box	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462			2.03AF	8.04.00.06.10.3-k2	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	5.06.05	3.13	QLA2462			2.03AF	8.04.00.09.10.3-k	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.72a2	2.01a2	LPe1150			5.03a10	In Box	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.70a5	1.71a0	LPe1150			5.02a1	In Box	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a8	LPe1150			5.03 a13	8.2.0.136	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82a4	2.01a2	LPe1150			5.03a10	In Box	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82a4	2.01a2	LP1150			5.03a10	In Box	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.72a2	2.01a2	LP1150			5.03a10	In Box	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a8	LP1150			5.03 a13	8.2.0.136	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.72a2	2.01a2	LPe11002			5.03a10	In Box	Y	Y
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.82a4	2.01a2	LPe11002			5.03a10	In Box	Y	Y
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.82x4	2.12a8	LPe11002			5.03 a13	8.2.0.136	Y	Y
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.70a5	1.71a0	LPe11002			5.02a1	In Box	Y	Y
FC2242SR	Emulex	PCIe	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0	8.2.0.145 (OOB) SLES 10 SP4	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0	8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a8	LP11002			5.03 a13	8.2.0.136	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82a4	2.01a2	LP11002			5.03a10	In Box	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.72a2	2.01a2	LP11002			5.03a10	In Box	Y	Y
LPe1205A	Emulex	PCIe	8Gb	659818-B2 1	2.00a8	3.12a3	LPe1205A			6.10a4	8.2.0.136	N	Y
LPe1205A	Emulex	PCIe	8Gb	659818-B2 1	2.00a8	3.20a1	LPe1205A			6.10a7	8.2.0.145.4 p (OOB) SLES 10 SP4	N	Y
LPe1205A	Emulex	PCIe	8Gb	659818-B2 1	2.00a8	3.12a3	LPe1205A			6.10a4	8.2.0.134	N	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
LPe1205A	Emulex	PCle	8Gb	659818-B21	2.00a8	3.20a1	LPe1205A			6.10a7	8.2.0.145 (OOB) SLES 10 SP4	N	Y
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.1.21.8	Contained in FW	LPe16000				8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.0.11.110	Contained in FW	LPe16000				8.2.0.134	Y	N
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.0.11.108	Contained in FW	LPe16000				8.2.0.127	N	Y
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.0.11.110	Contained in FW	LPe16000				8.2.0.136	N	Y
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.0.11.110	Contained in FW	LPe16000				8.2.0.134	N	Y
SN1000E1P	Emulex	PCle	16Gb	QR558A	1.1.21.8	Contained in FW	LPe16000				8.2.0.145 (OOB) SLES 10 SP4	Y	Y
SN1000E2P	Emulex	PCle	16Gb	QR559A	1.0.11.110	Contained in FW	LPe16002				8.2.0.136	N	Y
SN1000E2P	Emulex	PCle	16Gb	QR559A	1.0.11.110	Contained in FW	LPe16002				8.2.0.134	N	Y
SN1000E2P	Emulex	PCle	16Gb	QR559A	1.0.11.110	Contained in FW	LPe16002				8.2.0.134	N	Y
SN1000E2P	Emulex	PCle	16Gb	QR559A	1.1.21.8	Contained in FW	LPe16002				8.2.0.145.4 p (OOB) SLES 10 SP4	Y	Y
SN1000E2P	Emulex	PCle	16Gb	QR559A	1.0.11.108	Contained in FW	LPe16002				8.2.0.127	N	Y

Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	Driver Version	Direct Connect Support	Boot Support
SN1000E2P	Emulex	PCIe	16Gb	QR559A	1.1.21.8	Contained in FW	LPe16002				8.2.0.145 (OOB) SLES 10 SP4	Y	Y
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.02.00	3.14	QLE2660		NA	2.00.47	8.04.00.06 10.3-k2	Y	Y
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.2.00	3.18	QLE2660		NA	2.01.10	8.04.00.09. 10.3-k (OOB) SLES 10 SP4	Y	Y
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.2.00	3.18	QLE2662		NA	2.01.10	8.04.00.09. 10.3-k (OOB) SLES 10 SP4	Y	Y
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.02.00	3.14	QLE2662		NA	2.00.47	8.04.00.06 10.3-k2	Y	Y

Notes:
General Host Bus Adapter (HBA) (118) Notes:

- 1a) The following Emulex 2Gb HBAs are supported with 3PAR OS 3.1.1 only: LP9002, LP9402, LP9802, LP10000
- 1b) The following Emulex 4Gb HBAs are also supported: LP11000, LPe11000
- 1c) The following Emulex 8Gb HBAs are also supported: LPe1205
- 1d) The following QLogic 4Gb HBAs are also supported: QLe2464, QLe2440, QLA2440
- 2) Drivers supported in addition to In Box version:
 - 2a) Emulex: HP Preferred: 8.2.0.145.4p(OOB), 8.2.0.145(OOB), 8.2.0.134(OOB), 8.2.0.78.4p(OOB), 8.2.0.71(OOB)
 - 2b) Qlogic: HP Preferred: 8.04.00.09.10.3-k(OOB), 8.04.00.06.10.3-k2(OOB), 8.03.07.13.10.3-k(OOB)
 - 2c) Brocade: HP Preferred: 3.1.0.0(OOB)
- 3) For SLES10.3 SAN boot Qlogic driver version 8.03.01.13.10.3-k4(OOB) or later is required
- 4) 16GB Emulex HBA(SN1000E1P/SN1000E2P) is only supported on SLES 10.4.
- 5) 4Gb Brocade HBA(41B/42B) not supported on T/F class.
- 6) Brocade HBAs(41B/42B/81B/82B/804) supported on SLES 10 SP4 only.
- 7) QMH2572 supported on SLES 10 SP4 only.
- 8) This is the list of In Box driver versions:
 - 8a) Emulex: SLES 10 SP4: 8.2.0.92-1p
 - 8b) Qlogic: SLES 10 SP4: 8.03.01.12.10.3-k4
 - 8c) Brocade: SLES 10 SP4: 2.3.2.1

Converged Network Adapter (CNA) (72)									
Name	Bus	Vendor	Ethernet Speed	Firmware	Driver Version	NIC Driver Version	BIOS	Direct Connect Support	Boot Support
554FLB	LOM	HP	10GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
554FLB	LOM	HP	10GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554FLR	LOM	HP	10GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554M	PCIe	HP	10 GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
554M	PCIe	HP	10 GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554M	PCIe	HP	10 GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y

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Name	Bus	Vendor	Ethernet Speed	Firmware	Driver Version	NIC Driver Version	BIOS	Direct Connect Support	Boot Support
554M	PCle	HP	10 GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554M	PCle	HP	10 GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
554M	PCle	HP	10 GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
554M	PCle	HP	10 GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
CN1000E	PCle	HP	10 GbE	4.0.360-15	In Box			No	Yes
CN1000Q	PCle	HP	10 GbE	4.09.81	8.03.07.13.10.3-k			N	Y
CN1000Q	PCle	HP	10 GbE	4.12.11	8.04.00.09.10.3-k			N	Y
CN1100E	PCle	HP	10 GbE	4.0.360-15	In Box			No	Yes
CN1100E	PCle	HP	10 GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
CN1100E	PCle	HP	10 GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y

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Name	Bus	Vendor	Ethernet Speed	Firmware	Driver Version	NIC Driver Version	BIOS	Direct Connect Support	Boot Support
CN1100E	PCle	HP	10 GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
CN1100E	PCle	HP	10 GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
CN1100E	PCle	HP	10 GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
CN1100E	PCle	HP	10 GbE	4.0.360-15	In Box			No	Yes
CN1100E	PCle	HP	10 GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
CN1100E	PCle	HP	10 GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.0.360-15	In Box			No	Yes
NC551i	LOM	HP	10GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551i	LOM	HP	10GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
NC551m	PCle	HP	10 GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
NC551m	PCle	HP	10 GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551m	PCle	HP	10 GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
NC551m	PCle	HP	10 GbE	4.0.360-15	In Box			No	Yes

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Name	Bus	Vendor	Ethernet Speed	Firmware	Driver Version	NIC Driver Version	BIOS	Direct Connect Support	Boot Support
NC551m	PCIe	HP	10 GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551m	PCIe	HP	10 GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC551m	PCIe	HP	10 GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
NC551m	PCIe	HP	10 GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.0.360-15	In Box			No	Yes
NC553i	LOM	HP	10GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC553i	LOM	HP	10GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.2.401.2215	8.2.0.145.4p (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.1.450.1707	8.2.0.136	4.1.450.7	Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.2.401.6	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.1.402.20	8.2.0.134		Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.2.401.605	8.2.0.145 (OOB) SLES 10 SP4	4.2.389.0	Contained in FW	N	Y

Name	Bus	Vendor	Ethernet Speed	Firmware	Driver Version	NIC Driver Version	BIOS	Direct Connect Support	Boot Support
NC553m	PCIe	HP	10 GbE	4.1.450.16	8.2.0.136		Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.1.450.7	8.2.0.136		Contained in FW	N	Y
NC553m	PCIe	HP	10 GbE	4.0.360-15	In Box			No	Yes

Notes:**General Converged Network Adapter (CNA) (72) Notes:**

- 1) This is the list of In Box driver versions:
 - 1a) Emulex: SLES 10 SP4: 8.2.0.92-1p
 - 1b) Qlogic: SLES 10 SP4: 8.03.01.12.10.3-k4
- 2) CNAs only supported on SuSE 10 SP4
- 3) Drivers supported in addition to In Box version:
 - 3a) Emulex: HP Preferred: 8.2.0.145.4p(OOB), 8.2.0.145(OOB), 8.2.0.136(OOB), 8.2.0.134(OOB)
 - 3b) Qlogic: HP Preferred: 8.04.00.09.10.3-k(OOB), 8.03.07.13.10.3-k(OOB)
- 4) For Emulex CNAs with firmware versions 4.2.401.6 and 4.2.401.605 the In Box driver is NOT supported
- 5) For Qlogic CNAs with firmware version 4.12.11 the In Box driver is NOT supported

Fibre Channel Switch (61)					
Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
Brocade 16Gb/16 SAN Switch for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 ports active any combo/16 Internal, 12 External	6548
Brocade 16Gb/28 SAN Switch for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 Internal, 12 External	6548
Brocade 16Gb/28 SAN Switch Pwr Pk+ for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 Internal, 12 External	6548
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/12 SAN Switch	Embedded Switch	Brocade	4Gb/s	8 internal, 4 external	4024
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/24 SAN Switch	Embedded Switch	Brocade	4Gb/s	16 internal, 8 external	4024

Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/24 SAN Switch Power Pack	Embedded Switch	Brocade	4Gb/s	16 internal, 8 external	4024
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/12c	Embedded Switch	Brocade	8Gb/s	12	5480
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/24c	Embedded Switch	Brocade	8Gb/s	24	5480
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/24c Pwr Pack+	Embedded Switch	Brocade	8Gb/s	24	5480
Brocade Mi10K Director	Director	Brocade-McDATA	4Gb/s	256	
Cisco MDS 8Gb Fabric Switch for HP BladeSystem c-Class	Embedded Switch	Cisco	8Gb/s	16 internal, 8 external	
Cisco MDS 9124 Fabric Switch	Edge	Cisco	4Gb/s	24	MDS9124
Cisco MDS 9124e Fabric Switch for c-Class BladeSystem	Embedded Switch	Cisco	4Gb/s	8 internal, 4 external	MDS9124e
Cisco MDS 9134 Fabric Switch	Edge	Cisco	4Gb/s	32	MDS9134
Cisco MDS 9222i Multiservice Fabric Switch	Edge	Cisco	4Gb/s	66	MDS9222i
HP SN3000B 16Gb 24/12 Fibre Channel Switch	Edge	Brocade	16Gb/s	24	6505
HP SN3000B 16Gb 24/24 Fibre Channel Switch	Edge	Brocade	16Gb/s	24	6505
HP SN6000B 16Gb 48-port/24-port Active Fibre Channel Switch	Edge	Brocade	16Gb/s	48	6510

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Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
HP SN6000B 16Gb 48-port/24-port Active Power Pack+ Fibre Channel Switch	Edge	Brocade	16Gb/s	48	6510
HP SN6000B 16Gb 48-port/48-port Active Fibre Channel Switch	Edge	Brocade	16Gbs	48	6510
HP SN6000B 16Gb 48-port/48-port Active Power Pack+ Fibre Channel Switch	Edge	Brocade	16Gb/s	48	6510
HP SN6000C Fibre Channel Switch (Cisco MDS 9148 Fabric Switch)	Edge	Cisco	8Gb/s	48	MDS9148
HP SN8000B 16Gb 32-port Fibre Channel Blade	Module	Brocade	16Gb/s	32	FC16-32
HP SN8000B 16Gb 48-port Fibre Channel Blade	Module	Brocade	16Gb/s	48	FC16-48
HP SN8000B 4-Slot Power Pack+ SAN Director Switch	Director	Brocade	16Gb/s	32 to 256	DCX 8510-4
HP SN8000B 4-Slot SAN Director Switch	Director	Brocade	16Gb/s	32 to 256	DCX 8510-4
HP SN8000B 8Gb 48-port Enhanced Fibre Channel Blade	Module	Brocade	8Gb/s	48	FC8-48E
HP SN8000B 8-Slot Power Pack+ SAN Backbone Director Switch	Director	Brocade	16Gb/s	32 to 512	DCX 8510-8
HP SN8000C 13-Slot Director Switch (Cisco MDS 9513 Multilayer Director Switch)	Director	Cisco	4Gb/s	528	MDS9513
HP SN8000C 6-Slot Director Switch (Cisco MDS 9506 Multilayer Director Switch)	Director	Cisco	4Gb/s	192	MDS9506
HP SN8000C 9-Slot Director Switch (Cisco MDS 9509 Multilayer Director Switch)	Director	Cisco	4Gb/s	336	MDS9509

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Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
HP StorageWorks 4/16 SAN Switch	Edge	Brocade	4Gb/s	16	200e
HP StorageWorks 4/256 SAN Director	Director	Brocade	4Gb/s	16 to 384	48000
HP StorageWorks 4/256 SAN Director Power Pack	Director	Brocade	4Gb/s	16 to 384	48000
HP StorageWorks 4/8 SAN Switch	Edge	Brocade	4Gb/s	8	200e
HP StorageWorks 8/20q Fibre Channel Switch	Edge	QLogic	8Gb/s	20	n/a
HP StorageWorks 8/24 SAN Switch	Edge	Brocade	8Gb/s	24	300
HP StorageWorks 8/40 Power Pack	Edge	Brocade	8Gb/s	40	5100
HP StorageWorks 8/40 SAN Switch	Edge	Brocade	8Gb/s	40	5100
HP StorageWorks 8/8 SAN Switch	Edge	Brocade	8Gb/s	8	300
HP StorageWorks 8/80 Power Pack	Edge	Brocade	8Gb/s	80	5300
HP StorageWorks 8/80 SAN Switch	Edge	Brocade	8Gb/s	80	5300
HP StorageWorks DC SAN Backbone Director Switch	Director	Brocade	8Gb/s	16 to 384	DCX
HP StorageWorks DC Switch Encryption FC Blade	Module	Brocade	8Gb/s	16	FS8-18
HP StorageWorks DC04 Power Pack+ SAN Director Switch	Director	Brocade	8Gb/s	16 to 192	DCX-4S
HP StorageWorks DC04 SAN Director Switch	Director	Brocade	8Gb/s	16 to 192	DCX-4S

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Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
HP StorageWorks Encryption SAN Switch	Edge	Brocade	8Gb/s	32	BES
HP StorageWorks SAN Switch 4/32B Base	Edge	Brocade	4Gb/s	32	5000
HP StorageWorks SAN Switch 4/32B Base Full	Edge	Brocade	4Gb/s	32	5000
HP StorageWorks SAN Switch 4/32B Power Pack	Edge	Brocade	4Gb/s	32	5000
HP StorageWorks SAN Switch 4/64 Base	Edge	Brocade	4Gb/s	64	4900
HP StorageWorks SAN Switch 4/64 Base Power Pack	Edge	Brocade	4Gb/s	32/48/64	4900
HP StorageWorks SAN Switch 4/64 Power Pack	Edge	Brocade	4Gb/s	64	4900
HP StorageWorks SAN Switch 4/64 Power Pack	Edge	Brocade	4Gb/s	64	
HP StorageWorks SN6000 Fibre Channel Switch	Edge	QLogic	8Gb/s	24	SB5800V, SB5802V
HP StoreFabric SN6500B 16Gb 96/48 FC Switch	Edge	Brocade	16Gb/s	48	6520
HP StoreFabric SN6500B 16Gb 96/48 Power Pack+ FC Switch	Edge	Brocade	16Gb/s	48	6520
HP StoreFabric SN6500B 16Gb 96/96 FC Switch	Edge	Brocade	16Gb/s	96	6520
HP StoreFabric SN6500B 16Gb 96/96 Power Pack+ FC Switch	Edge	Brocade	16Gb/s	96	6520
HP StoreFabric SN8500C 48-port 16Gb FC Module	Module	Cisco	16 Gbs	48	DS-X9448H768K9
HP StoreFabric SN8500C 8-slot 16Gb FC Director	Director	Cisco	16 Gbs	384	MDS9710

Notes:**General Fibre Channel Switch (61) Notes:**

The Brocade Mi10k Director is supported with the 2Gb speed blades with 3PAR OS 3.1.1 only.

Fibre Channel over Ethernet (FCoE) Switch (8)							
Name	Class	Vendor	FC Port Speed	FC Port Count	Ethernet Port Speed	Ethernet Port Count	Vendor Part Number
Cisco Nexus 5010 Converged Network Switch	Edge	Cisco	4Gb/s	8	10Gb/s	26	
Cisco Nexus 5020 Converged Network Switch	Edge	Cisco	4Gb/s	16	10Gb/s	52	
Cisco Nexus 5548UP Converged Network Switch	Edge	Cisco	8Gb/s	48	10Gb/s	48	N5K-C5548UP-OSM
Cisco Nexus 5596UP Converged Network Switch	Edge	Cisco	8Gb/s	96	10Gb/s	96	N5K-C5596UP-OSM
HP FlexFabric 5900CP	Edge	HP	8Gb/s	48	10GbE / 40GbE	48 / 4	JG838A
HP StorageWorks 2408 FCoE Converged Network Switch	Edge	Brocade	8Gb/s	8	10Gb/s	24	8000
HP StorageWorks 2408 FCoE Power Pack+ Converged Network Switch	Edge	Brocade	8Gb/s	8	10Gb/s	24	8000
HP StorageWorks DC SAN Director Switch 10/24 FCoE Blade	Module	Brocade	8Gb/s	n/a	10Gb/s	24	FCOE10-24

Router (7)								
Name	Vendor	Class	Port Speed	Port Count	Port Type	Ethernet Port Speed	Ethernet Port Count	Vendor Part Number
HP StorageWorks 1606 Base Extension SAN Switch	Brocade	Router-Gateway	8Gb/s (FC/FCR)	16 (FC/FCR, 4 licensed)	FC/FCR/FCIP	1Gb/s	6 (2 licensed)	7800
HP StorageWorks 1606 Full Extension SAN Switch	Brocade	Router-Gateway	8Gb/s (FC/FCR)	16 (FC/FCR)	FC/FCR/FCIP	1Gb/s	6	7800
HP StorageWorks 1606 Power Pack+ Extension SAN Switch	Brocade	Router-Gateway	8Gb/s (FC/FCR)	16 (FC/FCR)	FC/FCR/FCIP	1Gb/s	6	7800
HP StorageWorks 400 Multi-protocol Router 7500	HP	Router-Gateway	4Gbit	16	FC/FCR/FCIP	1Gbit	2	
HP StorageWorks DC SAN Director Switch Multiprotocol Extension Blade	Brocade	Router-Gateway	8Gb/s (FC/FCR)	12 (FC/FCR)	FC/FCR/FCIP	1Gb/s and 10Gb/s	ten 1Gb/s and two 10Gb/s	FX8-24
HP StorageWorks Multi-protocol RouterBlade FR4-18i	HP	Router-Gateway	4Gbit	16	FC/FCR/FCIP	1Gbit	2	
HP StoreFabric Enhanced Multiprotocol Extension Blade	Brocade	Router-Gateway	8Gb/s (FC/FCR)	12 (FC/FCR)	FC/FCR/FCIP	1Gb/s and 10Gb/s	ten 1Gb/s and two 10Gb/s	FX8-24E

Path Management (9)

Name	Vendor	Category	Software Version
Inbox Device Mapper (Novell)	Novell	Multipath	
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0 MP4
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.1 SP1
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	6.0.1
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0 MP3
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	4.1
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0 MP1
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	6.0

Notes:**General Path Management (9) Notes:**

- 1) For Veritas VxDMP - Symantec SF5.0 MP3 RP2 is the minimum version required to support Symantec Storage Foundation 3PAR Thinly Provisioned Virtual Volume space reclamation.
- 2) For Veritas VxDMP SF5.1GA is not supported, SF5.1SP1RP2 is the required minimum for support.
- 3) For Veritas VxDMP - SF 6.0GA Boot From SAN (BFS) is not supported.
- 4) Symantec/Veritas Storage Foundation (VxDMP/VCS) is supported only with FC-Fabric attach (FC-switched)