



P2000 G3 FC Microsoft Windows Server 2012 x64

Modified Date: Wed, 30 Oct 2013 00:00:00 GMT

PDF Generated Date: Thu, 07 Nov 2013 12:51:24 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.

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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>.

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Disk Array (2)				
Name	Vendor	Family	Firmware	Host Mode
HP StorageWorks P2000 G3 FC Array	HP	MSA	TS250P003	
HP StorageWorks P2000 G3 FC Array	HP	MSA	TS240P004	

Operating System (1)						
Name	Vendor	OS Family	Architecture	OS Version	Service Pack	Patch
Windows Server 2012 x64	Microsoft	Windows Server 2012	x64	All Editions		

Notes:

General Operating System (1) Notes:

1) Thin provisioning not supported with Windows Server 2012.

Cluster Management-High Availability (1)			
Name	Vendor	Software Version	Package
Microsoft Failover Clusters	Microsoft	Windows Server 2012	

Notes:

General Cluster Management-High Availability (1) Notes:

1) Up to 16 nodes are supported with Microsoft Failover Clustering.

Server (2)		
Name	Vendor	Architecture
Link for ProLiant AMD Opteron servers	HP	ProLiant
Link to ProLiant EM64T servers	HP	ProLiant

Host Bus Adapter (HBA) (97)												
Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
403619-B21	QLogic	PCIe	4Gb	403619-B21	Loaded By Driver	3.13	QMH2462	2.03AF	9.1.10.26	Y	N	Storport
403619-B21	QLogic	PCIe	4Gb	403619-B21	Loaded By Driver	3.13	QMH2462	2.03AF	9.1.10.27	Y	N	Storport
403621-B21	Emulex	PCIe	4Gb	403621-B21	2.82x4	3.11a5	LPe1105	6.03a11	2.72.012	Y	N	
403621-B21	Emulex	PCIe	4Gb	403621-B21	2.82x4	3.20a1	LPe1105	6.10a8	2.74.014.00 1	Y	N	Storport
403621-B21	Emulex	PCIe	4Gb	403621-B21	2.82x4	3.20a1	LPe1105	6.10a8	2.72.012	Y	N	Storport
403621-B21	Emulex	PCIe	4Gb	403621-B21	2.82x4	3.20a1	LPe1105	6.10a7	2.74.009.00 1	Y	N	Storport
41B	Brocade	PCIe	4Gb	AP767A	Loaded by Driver	3.0.3.4	415		3.1.0.0	Y	N	
41B	Brocade	PCIe	4Gb	AP767A	Loaded by Driver	3.2.1.0	415		3.1.0.0	Y	N	Storport
41B	Brocade	PCIe	4Gb	AP767A	Loaded by Driver	3.1.0.2	415		3.1.0.0	Y	N	
42B	Brocade	PCIe	4Gb	AP768A	Loaded by Driver	3.2.1.0	425		3.2.1.0	Y	N	Storport

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
42B	Brocade	PCIe	4Gb	AP768A	Loaded by Driver	3.1.0.2	425			3.1.0.0	Y	N
42B	Brocade	PCIe	4Gb	AP768A	Loaded by Driver	3.2.1.0	425		3.1.0.0	Y	N	Storport
42B	Brocade	PCIe	4Gb	AP768A	Loaded by Driver	3.0.3.4	425			3.1.0.0	Y	N
451871-B21	QLogic	PCIe	8Gb	451871-B21	Loaded By Driver	3.13	QMH2562	2.65.01	9.1.11.20	Y	N	Storport
451871-B21	QLogic	PCIe	8Gb	451871-B21	Loaded By Driver	3.13	QMH2562	2.58AF	9.1.10.26	Y	N	Storport
451871-B21	QLogic	PCIe	8Gb	451871-B21	Loaded By Driver	3.13	QMH2562	2.58AF	9.1.10.27	Y	N	Storport
451871-B21	QLogic	PCIe	8Gb	451871-B21	Loaded By Driver	3.13	QMH2562	2.65.01	9.1.10.27	Y	N	Storport
456972-B21	Emulex	PCIe	8Gb	456972-B21	2.00a4	3.11a5	LPe1205	6.03a11	2.72.012	Y	N	
456972-B21	Emulex	PCIe	8Gb	456972-B21	2.01 a4	3.20a1	LPe1205	6.10a7	2.74.009.00 1	Y	N	Storport
456972-B21	Emulex	PCIe	8Gb	456972-B21	2.01 a4	3.20a1	LPe1205	6.10a8	2.74.009.00 1	Y	N	Storport
651281-B21	QLogic	PCIe	8Gb	651281-B21	Loaded by Driver	3.13	QMH2572	2.65.01	9.1.10.26	Y	N	Storport
651281-B21	QLogic	PCIe	8Gb	651281-B21	Loaded by Driver	3.13	QMH2572	2.59AF	9.1.10.27	Y	N	Storport
651281-B21	QLogic	PCIe	8Gb	651281-B21	Loaded by Driver	3.13	QMH2572	2.65.01	9.1.11.20	Y	N	Storport
651281-B21	QLogic	PCIe	8Gb	651281-B21	Loaded by Driver	3.13	QMH2572	2.59AF	9.1.10.26	Y	N	Storport
804	Brocade	PCIe	8Gb	590647-B21	Loaded by Driver	3.2.1.0	804		3.2.1.0	Y	N	Storport

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
804	Brocade	PCIe	8Gb	590647-B21	Loaded by Driver	3.2.1.0	804		3.1.0.0	Y	N	Storport
804	Brocade	PCIe	8Gb	590647-B21	Loaded by Driver	3.0.3.4	804		3.1.0.0	Y	N	
804	Brocade	PCIe	8Gb	590647-B21	Loaded by Driver	3.1.0.2	804		3.1.0.0	Y	N	
81B	Brocade	PCIe	8Gb	AP769A	Loaded by Driver	3.2.1.0	815		3.1.0.0	Y	N	Storport
81B	Brocade	PCIe	8Gb	AP769A	Loaded by Driver	3.1.0.2	815		3.1.0.0	Y	N	
81B	Brocade	PCIe	8Gb	AP769A	Loaded by Driver	3.2.1.0	815		3.2.1.0	Y	N	Storport
81B	Brocade	PCIe	8Gb	AP769A	Loaded by Driver	3.0.3.4	815		3.1.0.0	Y	N	
81e	Emulex	PCIe	8Gb	AJ762A	2.01 a4	2.12a9	LPe12000	5.20a2	2.74.014.00 1	Y	Y	Storport
81e	Emulex	PCIe	8Gb	AJ762A	2.01 a4	2.12a9	LPe12000	5.20a0	2.74.009.00 1	Y	Y	Storport
81e	Emulex	PCIe	8Gb	AJ762A	2.00a4	2.12a9	LPe12000	5.20a0	2.72.012	Y	Y	
81e	Emulex	PCIe	8Gb	AJ762A	2.01 a4	2.12a9	LPe12000	5.20a2	2.74.009.00 1	Y	Y	Storport
81Q	QLogic	PCIe	8Gb	AK344A	Loaded By Driver	3.13	QLE2560	2.65.01	9.1.10.27	Y	Y	Storport
81Q	QLogic	PCIe	8Gb	AK344A	Loaded By Driver	3.13	QLE2560	2.58AF	9.1.10.27	Y	Y	Storport
81Q	QLogic	PCIe	8Gb	AK344A	Loaded By Driver	3.13	QLE2560	2.58AF	9.1.10.26	Y	Y	Storport
82B	Brocade	PCIe	8Gb	AP770A	Loaded by Driver	3.0.3.4	825		3.1.0.0	Y	N	

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
82B	Brocade	PCIe	8Gb	AP770A	Loaded by Driver	3.2.1.0	825		3.2.1.0	Y	N	Storport
82B	Brocade	PCIe	8Gb	AP770A	Loaded by Driver	3.2.1.0	825		3.1.0.0	Y	N	Storport
82B	Brocade	PCIe	8Gb	AP770A	Loaded by Driver	3.1.0.2	825		3.1.0.0	Y	N	
82e	Emulex	PCIe	8Gb	AJ763A	2.00a4	2.12a9	LPe12002	5.20a0	2.72.012	Y	Y	
82e	Emulex	PCIe	8Gb	AJ763A	2.01 a4	2.12a9	LPe12002	5.20a0	2.74.009.00 1	Y	Y	Storport
82e	Emulex	PCIe	8Gb	AJ763A	2.01 a4	2.12a9	LPe12002	5.20a2	2.74.009.00 1	Y	Y	Storport
82Q	QLogic	PCIe	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562	2.65.01	9.1.11.20	Y	Y	Storport
82Q	QLogic	PCIe	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562	2.65.01	9.1.10.26	Y	Y	Storport
82Q	QLogic	PCIe	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562	2.58AF	9.1.10.26	Y	Y	Storport
82Q	QLogic	PCIe	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562	2.58AF	9.1.10.27	Y	Y	Storport
FC1142SR	QLogic	PCIe	4Gb	AE311A	Loaded By Driver	3.13	QLE2460	2.03AF	9.1.10.26	Y	Y	Storport
FC1142SR	QLogic	PCIe	4Gb	AE311A	Loaded By Driver	3.13	QLE2460	2.03AF	9.1.10.27	Y	Y	Storport
FC1142SR	QLogic	PCIe	4Gb	AE311A	Loaded By Driver	3.13	QLE2460	2.03AF	9.1.11.20	Y	Y	Storport
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460	2.03AF	9.1.11.20	Y	Y	Storport
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460	2.03AF	9.1.10.27	Y	Y	Storport

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460	2.03AF	9.1.10.26	Y	Y	Storport
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462	2.03AF	9.1.10.27	Y	Y	Storport
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462	2.03AF	9.1.10.26	Y	Y	Storport
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462	2.03AF	9.1.11.20	Y	Y	Storport
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462	2.03AF	9.1.11.20	Y	Y	Storport
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462	2.03AF	9.1.10.26	Y	Y	Storport
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462	2.03AF	9.1.10.27	Y	Y	Storport
FC2142SR	Emulex	PCIe	4Gb	A8002A	2.82x4	2.12a8	LPe1150	5.03 a13	2.72.012	Y	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A	2.82x4	2.12a9	LPe1150	5.20a0	2.74.009.00 1	Y	Y	Storport
FC2142SR	Emulex	PCIe	4Gb	A8002A	2.82x4	2.12a9	LPe1150	5.20a0	2.74.014.00 1	Y	Y	Storport
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a8	LP1150	5.03 a13	2.72.012	Y	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150	5.20a0	2.74.009.00 1	Y	Y	Storport
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150	5.20a0	2.74.014.00 1	Y	Y	Storport
FC2242SR	Emulex	PCIe	4Gb	A8003A	2.82x4	2.12a9	LPe11002	5.20a0	2.74.009.00 1	Y	Y	Storport
FC2242SR	Emulex	PCIe	4Gb	A8003A	2.82x4	2.12a9	LPe11002	5.20a0	2.74.014.00 1	Y	Y	Storport
FC2242SR	Emulex	PCIe	4Gb	A8003A	2.82x4	2.12a8	LPe11002	5.03 a13	2.72.012	Y	Y	Y

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002	5.20a0	2.74.014.00 1	Y	Y	Storport
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a8	LP11002	5.03 a13	2.72.012	Y	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002	5.20a0	2.74.009.00 1	Y	Y	Storport
LPe1205A	Emulex	PCIe	8Gb	659818-B21	2.00a8	3.20a1	LPe1205A	6.10a7	2.74.009.00 1	Y	N	Storport
LPe1205A	Emulex	PCIe	8Gb	659818-B21	2.02x6	3.20a1	LPe1205A	6.10a8	2.74.009.00 1	Y	N	Storport
LPe1205A	Emulex	PCIe	8Gb	659818-B21	2.02x6	3.20a1	LPe1205A	6.10a8	2.74.014.00 1	Y	N	Storport
LPe1205A	Emulex	PCIe	8Gb	659818-B21	2.00a8	3.12a3	LPe1205A	6.10a4	2.72.012	Y	N	N
SN1000E1P	Emulex	PCIe	16Gb	QR558A	1.1.21.8	Contained in FW	LPe16000		2.74.009.00 1	Y	Y	Storport
SN1000E1P	Emulex	PCIe	16Gb	QR558A	1.1.43.6	Contained in FW	LPe16000		2.72.012	Y	N	N
SN1000E1P	Emulex	PCIe	16Gb	QR558A	1.1.43.6	Contained in FW	LPe16000		2.72.012	Y	N	N
SN1000E1P	Emulex	PCIe	16Gb	QR558A	1.0.11.110	Contained in FW	LPe16000		2.72.012	Y	N	N
SN1000E2P	Emulex	PCIe	16Gb	QR559A	1.1.43.6	Contained in FW	LPe16002		2.74.009.00 1	Y	Y	Storport
SN1000E2P	Emulex	PCIe	16Gb	QR559A	1.1.21.8	Contained in FW	LPe16002		2.74.009.00 1	Y	Y	Storport
SN1000E2P	Emulex	PCIe	16Gb	QR559A	1.0.11.110	Contained in FW	LPe16002		2.72.012	Y	N	N
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.07.02	3.21	QLE2660	2.02.47	9.1.10.26	Y	N	Storport
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.07.02	3.21	QLE2660	2.02.47	9.1.11.20	Y	Y	Storport

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Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Boot Image	Driver Version	Boot Support	Direct Connect Support	Driver Type
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.02.00	3.14	QLE2660	2.00.47	9.1.10.26	Y		N
SN1000Q1P	QLogic	PCIe	16Gb	QW971A	6.2.00	3.18	QLE2660	2.01.10	9.1.10.27	Y	Y	Storport
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.07.02	3.21	QLE2662	2.02.47	9.1.10.27	Y	Y	Storport
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.02.00	3.14	QLE2662	2.00.47	9.1.10.26	Y		Y
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.2.00	3.18	QLE2662	2.01.10	9.1.10.27	Y	Y	Storport
SN1000Q2P	QLogic	PCIe	16Gb	QW972A	6.07.02	3.21	QLE2662	2.02.47	9.1.11.20	Y	Y	Storport
SN1100E1P	Emulex	PCIe	16Gb	CR838A	1.1.43.6	Included in firmware	LPe16000b		2.74.014.001	Y	Y	Storport
SN1100E1P	Emulex	PCIe	16Gb	CR838A	1.1.43.6	Included in firmware	LPe16000b		2.74.014.001	Y	Y	Storport
SN1100E2P	Emulex	PCIe	16Gb	CR839A	1.1.43.6	Included in firmware	LPe16002b		2.74.014.001	Y	Y	Storport
SN1100E2P	Emulex	PCIe	16Gb	CR839A	1.1.43.6	Included in firmware	LPe16002b		2.74.014.001	Y	Y	Storport

Converged Network Adapter (CNA) (79)										
Name	Vendor	Bus	Ethernet Speed	HP Part Number	Vendor Part Number	Firmware	NIC Driver Version	FC Driver Version	Boot Support	
526FLR	HP	LOM	10GbE	629138-B21	QDH8252-HP-SP	4.14.26	4.7.28.0523	9.1.10.19	Y	
526FLR	HP	LOM	10GbE	629138-B21	QDH8252-HP-SP	4.14.25	4.7.28.0523	9.1.10.19	Y	

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Name	Vendor	Bus	Ethernet Speed	HP Part Number	Vendor Part Number	Firmware	NIC Driver Version	FC Driver Version	Boot Support
534FLB	HP	LOM	10GbE	700741-B21		7.8.24			
534FLR	HP	LOM	10GbE	700751-B21		7.8.24			
534M	HP	PCIe	10 GbE	700748-B21		7.8.24			
554FLB	HP	LOM	10GbE			4.2.401.6			
554FLB	HP	LOM	10GbE			4.1.450.16	4.2.313.0	2.72.012	Y
554FLB	HP	LOM	10GbE			4.1.450.1707	4.1.450.5	2.70.019	Y
554FLB	HP	LOM	10GbE			4.2.401.2215	4.2.313.0	2.72.012	Y
554FLB	HP	LOM	10GbE			4.6.247.5	4.6.203.1	2.74.014.001	Y
554FLB	HP	LOM	10GbE			4.2.401.605			
554FLB	HP	LOM	10GbE			4.6.247.5			
554FLR	HP	LOM	10GbE			4.1.450.1707	4.2.313.0	2.72.012	Y
554FLR	HP	LOM	10GbE			4.2.401.6			
554FLR	HP	LOM	10GbE			4.1.450.16	4.2.313.0	2.72.012	Y
554FLR	HP	LOM	10GbE			4.2.401.2215	4.2.313.0	2.72.012	Y
554FLR	HP	LOM	10GbE			4.6.247.5	4.6.203.1	2.74.014.001	Y
554FLR	HP	LOM	10GbE			4.6.247.5			
554FLR	HP	LOM	10GbE			4.6.247.5	4.6.203.1	2.74.014.001	Y
554FLR	HP	LOM	10GbE			4.2.401.605			
554M	HP	PCIe	10 GbE	647590-B21		4.1.450.1707	4.2.313.0	2.72.012	Y
554M	HP	PCIe	10 GbE	647590-B21		4.2.401.2215	4.2.313.0	2.72.012	Y
554M	HP	PCIe	10 GbE	647590-B21		4.2.401.6			
554M	HP	PCIe	10 GbE	647590-B21		4.6.247.5	4.6.203.1	2.74.014.001	Y

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Name	Vendor	Bus	Ethernet Speed	HP Part Number	Vendor Part Number	Firmware	NIC Driver Version	FC Driver Version	Boot Support
554M	HP	PCIe	10 GbE	647590-B21		4.1.450.16	4.2.313.0	2.72.012	Y
554M	HP	PCIe	10 GbE	647590-B21		4.6.247.5			
554M	HP	PCIe	10 GbE	647590-B21		4.2.401.605			
554M	HP	PCIe	10 GbE	647590-B21		4.6.247.5	4.2.313.0	2.72.012	Y
CN1000E	HP	PCIe	10 GbE	AW520A		4.2.401.6			
CN1000E	HP	PCIe	10 GbE	AW520A		4.1.450.1707	4.1.450.5	2.70.019	Y
CN1000E	HP	PCIe	10 GbE	AW520A		4.2.401.2215			
CN1000E	HP	PCIe	10 GbE	AW520A		4.6.247.5	4.1.450.5	2.70.019	Y
CN1000E	HP	PCIe	10 GbE	AW520A		4.2.401.605			
CN1000E	HP	PCIe	10 GbE	AW520A		4.6.247.5	4.6.203.1	2.74.014.001	Y
CN1000E	HP	PCIe	10 GbE	AW520A		4.1.450.16	4.2.313.0	2.72.012	Y
CN1000Q	HP	PCIe	10 GbE	BS668A		4.09.96	4.6.17.0502	9.1.9.55	Y
CN1000Q	HP	PCIe	10 GbE	BS668A		4.14.25	4.7.17.0926	9.1.10.16	Y
CN1000Q	HP	PCIe	10 GbE	BS668A		4.14.26	4.7.17.0926	9.1.10.16	Y
CN1000Q	HP	PCIe	10 GbE	BS668A		4.12.11	4.7.17.0926	9.1.10.16	Y
CN1000Q	HP	PCIe	10 GbE	BS668A		4.14.25	4.7.28.0523	9.1.10.19	Y
CN1100E	HP	PCIe	10 GbE	BK835A		4.6.247.5	4.6.203.1	2.74.014.001	Y
CN1100E	HP	PCIe	10 GbE	BK835A		4.2.401.6			
CN1100E	HP	PCIe	10 GbE	BK835A		4.2.401.2215			
CN1100E	HP	PCIe	10 GbE	BK835A		4.1.450.16	4.2.313.0	2.72.012	Y
CN1100E	HP	PCIe	10 GbE	BK835A		4.1.450.1707	4.1.450.5	2.70.019	Y
CN1100E	HP	PCIe	10 GbE	BK835A		4.2.401.605			

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Name	Vendor	Bus	Ethernet Speed	HP Part Number	Vendor Part Number	Firmware	NIC Driver Version	FC Driver Version	Boot Support
CN1100E	HP	PCIe	10 GbE	BK835A		4.6.247.5	4.6.203.1	2.74.014.001	Y
CN1100R	HP	PCIe	10 GbE	QW990A		7.8.24			
CN1100R	HP	PCIe	10 GbE	QW990A		7.8.24			
NC551i	HP	LOM	10GbE			4.6.247.5	4.2.313.0	2.72.012	Y
NC551i	HP	LOM	10GbE			4.2.401.6			
NC551i	HP	LOM	10GbE			4.6.247.5			
NC551i	HP	LOM	10GbE			4.1.450.1707	4.1.450.5	2.70.019	Y
NC551i	HP	LOM	10GbE			4.1.450.16	4.2.313.0	2.72.012	Y
NC551i	HP	LOM	10GbE			4.2.401.2215			
NC551i	HP	LOM	10GbE			4.2.401.605			
NC551m	HP	PCIe	10 GbE	580151-B21		4.1.450.1707	4.1.450.5	2.70.019	Y
NC551m	HP	PCIe	10 GbE	580151-B21		4.2.401.2215			
NC551m	HP	PCIe	10 GbE	580151-B21		4.6.247.5	4.6.203.1	2.74.014.001	Y
NC551m	HP	PCIe	10 GbE	580151-B21		4.2.401.605			
NC551m	HP	PCIe	10 GbE	580151-B21		4.6.247.5	4.6.203.1	2.74.014.001	Y
NC551m	HP	PCIe	10 GbE	580151-B21		4.1.450.16	4.2.313.0	2.72.012	Y
NC551m	HP	PCIe	10 GbE	580151-B21		4.2.401.6			
NC551m	HP	PCIe	10 GbE	580151-B21		4.6.247.5			
NC553i	HP	LOM	10GbE			4.6.247.5	4.1.450.5	2.70.019	Y
NC553i	HP	LOM	10GbE			4.2.401.6			
NC553i	HP	LOM	10GbE			4.6.247.5			
NC553i	HP	LOM	10GbE			4.2.401.605			

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Name	Vendor	Bus	Ethernet Speed	HP Part Number	Vendor Part Number	Firmware	NIC Driver Version	FC Driver Version	Boot Support
NC553i	HP	LOM	10GbE			4.2.401.2215			
NC553i	HP	LOM	10GbE			4.1.450.16	4.2.313.0	2.72.012	Y
NC553i	HP	LOM	10GbE			4.1.450.1707	4.1.450.5	2.70.019	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.6.247.5	4.2.313.0	2.72.012	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.2.401.2215	4.2.313.0	2.72.012	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.6.247.5	4.6.203.1	2.74.014.001	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.1.450.1707	4.2.313.0	2.72.012	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.6.247.5			
NC553m	HP	PCIe	10 GbE	613431-B21		4.1.450.16	4.2.313.0	2.72.012	Y
NC553m	HP	PCIe	10 GbE	613431-B21		4.2.401.605			
NC553m	HP	PCIe	10 GbE	613431-B21		4.2.401.6			

Fibre Channel Switch (52)				
Name	Class	Vendor	Bandwidth	Port Count
Brocade 16Gb/16 SAN Switch for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 ports active any combo/16 Internal, 12 External
Brocade 16Gb/28 SAN Switch for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 Internal, 12 External
Brocade 16Gb/28 SAN Switch Pwr Pk+ for HP BladeSystem c-Class	Embedded Switch	Brocade	16Gb/s	16 Internal, 12 External
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/12 SAN Switch	Embedded Switch	Brocade	4Gb/s	8 internal, 4 external

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Name	Class	Vendor	Bandwidth	Port Count
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/12 SAN Switch	Embedded Switch	Brocade	4Gb/s	8 internal, 4 external
Brocade 4Gb SAN Switch for HP c-Class BladeSystem, Brocade 4/24 SAN Switch	Embedded Switch	Brocade	4Gb/s	16 internal, 8 external
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/12c	Embedded Switch	Brocade	8Gb/s	12
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/24c	Embedded Switch	Brocade	8Gb/s	24
Brocade 8Gb SAN Switch for HP BladeSystem c-Class, 8/24c Pwr Pack+	Embedded Switch	Brocade	8Gb/s	24
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
Cisco MDS 9124e Fabric Switch for c-Class BladeSystem	Embedded Switch	Cisco	4Gb/s	8 internal, 4 external
HP SN3000B 16Gb 24/12 Fibre Channel Switch	Edge	Brocade	16Gb/s	24
HP SN3000B 16Gb 24/24 Fibre Channel Switch	Edge	Brocade	16Gb/s	24
HP SN6000B 16Gb 48-port/24-port Active Fibre Channel Switch	Edge	Brocade	16Gb/s	48
HP SN6000B 16Gb 48-port/24-port Active Power Pack+ Fibre Channel Switch	Edge	Brocade	16Gb/s	48
HP SN6000B 16Gb 48-port/48-port Active Fibre Channel Switch	Edge	Brocade	16Gbs	48
HP SN6000B 16Gb 48-port/48-port Active Power Pack+ Fibre Channel Switch	Edge	Brocade	16Gb/s	48

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Name	Class	Vendor	Bandwidth	Port Count
HP SN8000B 16Gb 32-port Fibre Channel Blade	Module	Brocade	16Gb/s	32
HP SN8000B 16Gb 48-port Fibre Channel Blade	Module	Brocade	16Gb/s	48
HP SN8000B 4-Slot Power Pack+ SAN Director Switch	Director	Brocade	16Gb/s	32 to 256
HP SN8000B 4-Slot SAN Director Switch	Director	Brocade	16Gb/s	32 to 256
HP SN8000B 8Gb 32-port Enhanced Fibre Channel Blade	Module	Brocade	8Gb/s	32
HP SN8000B 8Gb 48-port Enhanced Fibre Channel Blade	Module	Brocade	8Gb/s	48
HP SN8000B 8-Slot Power Pack+ SAN Backbone Director Switch	Director	Brocade	16Gb/s	32 to 512
HP SN8000C 9-Slot Director Switch (Cisco MDS 9509 Multilayer Director Switch)	Director	Cisco	4Gb/s	336
HP StorageWorks 8/20q Fibre Channel Switch	Edge	QLogic	8Gb/s	20
HP StorageWorks 8/24 SAN Switch	Edge	Brocade	8Gb/s	24
HP StorageWorks 8/40 SAN Switch	Edge	Brocade	8Gb/s	40
HP StorageWorks 8/8 Base SAN Switch	Edge	Brocade	8Gb/s	8
HP StorageWorks 8/8 SAN Switch	Edge	Brocade	8Gb/s	8
HP StorageWorks 8/80 Power Pack	Edge	Brocade	8Gb/s	80
HP StorageWorks 8/80 SAN Switch	Edge	Brocade	8Gb/s	80
HP StorageWorks DC SAN Backbone Director Switch	Director	Brocade	8Gb/s	16 to 384
HP StorageWorks DC SAN Director 16 Port 8Gb FC Blade (FC8-16)	Director	Brocade	8Gb/s	16

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Name	Class	Vendor	Bandwidth	Port Count
HP StorageWorks DC04 Power Pack+ SAN Director Switch	Director	Brocade	8Gb/s	16 to 192
HP StorageWorks DC04 SAN Director Switch	Director	Brocade	8Gb/s	16 to 192
HP StorageWorks SAN Switch 4/32B Base	Edge	Brocade	4Gb/s	32
HP StorageWorks SAN Switch 4/32B Base Full	Edge	Brocade	4Gb/s	32
HP StorageWorks SAN Switch 4/32B Power Pack	Edge	Brocade	4Gb/s	32
HP StorageWorks SAN Switch 4/64 Base	Edge	Brocade	4Gb/s	64
HP StorageWorks SAN Switch 4/64 Base Power Pack	Edge	Brocade	4Gb/s	32/48/64
HP StorageWorks SAN Switch 4/64 Power Pack	Edge	Brocade	4Gb/s	64
HP StorageWorks SN6000 Fibre Channel Switch	Edge	QLogic	8Gb/s	24
HP StoreFabric SN6500B 16Gb 96/48 FC Switch	Edge	Brocade	16Gb/s	48
HP StoreFabric SN6500B 16Gb 96/48 Power Pack+ FC Switch	Edge	Brocade	16Gb/s	48
HP StoreFabric SN6500B 16Gb 96/96 FC Switch	Edge	Brocade	16Gb/s	96
HP StoreFabric SN6500B 16Gb 96/96 Power Pack+ FC Switch	Edge	Brocade	16Gb/s	96
HP StoreFabric SN8500C 48-port 16Gb FC Module	Module	Cisco	16 Gbs	48
HP StoreFabric SN8500C 48-port 16Gb FC Module	Module	Cisco	16 Gbs	48
HP StoreFabric SN8500C 8-slot 16Gb FC Director	Director	Cisco	16 Gbs	384

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Name	Class	Vendor	Bandwidth	Port Count
HP StoreFabric SN8500C 8-slot 16Gb FC Director	Director	Cisco	16 Gbs	384

Fibre Channel over Ethernet (FCoE) Switch (7)						
Name	Class	Vendor	FC Port Speed	FC Port Count	Ethernet Port Speed	Ethernet Port Count
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
Cisco Nexus 5596UP Converged Network Switch	Edge	Cisco	8Gb/s	96	10Gb/s	96
HP StorageWorks 2408 FCoE Converged Network Switch	Edge	Brocade	8Gb/s	8	10Gb/s	24
HP StorageWorks 2408 FCoE Power Pack+ Converged Network Switch	Edge	Brocade	8Gb/s	8	10Gb/s	24
HP StorageWorks DC SAN Director Switch 10/24 FCoE Blade	Module	Brocade	8Gb/s	n/a	10Gb/s	24

Router (7)							
Name	Vendor	Class	Port Speed	Port Count	Port Type	Ethernet Port Speed	Ethernet Port Count
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)
HP StorageWorks 1606 Full Extension SAN Switch	Brocade	Router-Gateway	8Gb/s (FC/FCR)	16 (FC/FCR)	FC/FCR/FCIP	1Gb/s	6
HP StorageWorks 1606 Power Pack+ Extension SAN Switch	Brocade	Router-Gateway	8Gb/s (FC/FCR)	16 (FC/FCR)	FC/FCR/FCIP	1Gb/s	6
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
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

Path Management (1)			
Name	Vendor	Category	Software Version
Microsoft MPIO DSM	Microsoft	Multipath	

Notes:**General Path Management (1) Notes:**

1) Microsoft MPIIO DSM support requires the installation of KB2784679.

Storage Management Software (12)			
Name	Vendor	Category	Software Version
Command Line Interface (CLI/telnet)	HP	Device Management	
ftp available for downloads	HP	Device Management	
HP Enterprise Backup Solution	HP	Backup	
HP OpenView Storage Area Manager (OVSAM)	HP	SAN Management	
Selective Storage Mapping (HP SMU)	HP	LUN Security	
Snapshot - licensable	HP	Data Replication	
Target Based Management	HP	Array Features	
VDS Hardware Provider	HP	Host Software	
Volume Clone - licensable	HP	Data Replication	
VSS Hardware Provider	HP	Host Software	
VSS/VSD compatible	HP	Array Features	
Web Based Interface (HP SMU)	HP	Device Management	