



HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

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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) .

Legal Notice

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2. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

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>.

HP has significantly expanded its RHEL support policy, beginning with 3PAR OS 3.1.2. Refer to the RHEL SUPPORT POLICY in the Links section below.

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 (12)						
Name	Vendor	Family	Controller	Firmware	ProductId	Host Mode
HP 3PAR StoreServ 10400 Storage	HP	3PAR		3PAR OS 3.1.1		1 (Generic)
HP 3PAR StoreServ 10400 Storage	HP	3PAR		3PAR OS 3.1.2		1 (Generic)
HP 3PAR StoreServ 10400 Storage	HP	3PAR		3PAR OS 3.1.3		2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR StoreServ 10800 Storage	HP	3PAR		3PAR OS 3.1.3		2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR StoreServ 10800 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 7200 Storage	HP	3PAR		3PAR OS 3.1.3		2 (Generic-ALUA) Recommended, 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 7400 Storage	HP	3PAR		3PAR OS 3.1.3		2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR StoreServ 7450 Storage	HP	3PAR		3PAR OS 3.1.3		2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR StoreServ 7450 Storage	HP	3PAR		3PAR OS 3.1.2 MU2 or higher		1 (Generic)

Operating System (20)						
Name	OS Family	OS Version	Service Pack	Vendor	Architecture	Minimum Kernel Version
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U2	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U3	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U4	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U5	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U6	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U1	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U7	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U8	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U9	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 IA32	Red Hat Enterprise Linux	5	U10	Red Hat	IA32	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U10	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U8	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U9	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U7	Red Hat	x64	2.6.18-348

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Name	OS Family	OS Version	Service Pack	Vendor	Architecture	Minimum Kernel Version
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U1	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U6	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U5	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U2	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U3	Red Hat	x64	2.6.18-348
Red Hat Enterprise Linux 5 x64	Red Hat Enterprise Linux	5	U4	Red Hat	x64	2.6.18-348

Notes:

General Operating System (20) Notes:

1) Red Hat support includes Oracle Linux (Oracle Enterprise Linux with RH compatible Kernel)

[RHEL SUPPORT POLICY](#)

Cluster Management-High Availability (12)		
Name	Vendor	Software Version
HP Serviceguard for Linux	HP	
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
Red Hat Cluster Suite	Red Hat	

Name	Vendor	Software Version
Veritas Cluster Server	Symantec	6.1
Veritas Cluster Server	Symantec	6.0
Veritas Cluster Server	Symantec	5.1 SP1 RP2
Veritas Cluster Server	Symantec	4.1
Veritas Cluster Server	Symantec	5.0 MP3 R2
Veritas Cluster Server	Symantec	5.0 MP4

Notes:**General Cluster Management-High Availability (12) Notes:**

- 1)SG/LX: For support details and exceptions, check the Serviceguard for Linux Certification Matrix available at <http://www.hp.com/go/sglx>
- 2) Red Hat GFS and GFS2 is supported.
- 3) For Veritas VCS - SF5.1GA is not supported, SF5.1SP1RP2 is the minimum required version of SF5.1 for support.
- 4) Symantec/Veritas Storage Foundation (VxDMP/VCS) is only supported in a FC-Fabric attach (FC-switched) configuration.

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

Host Bus Adapter (HBA) (223)														
Name	Vendor	Bus	Speed	HP Part Number	Firmware Version	BIOS	Vendor Part Number	Old HP Part Number	EFI	Boot Image	UEFI	Driver Version	Direct Connect Support	Boot Support
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	2.16	QMH2462		2.22	1.96AF		In Box	Y	Y
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.08	QMH2462			1.99AF		8.03.07.1 4.5.6-k (OOB)	Y	Y
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.13	QMH2462			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	N	Y
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.13	QMH2462			2.03AF		8.04.00.0 6.5.6-k2	Y	N
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.13	QMH2462			2.03AF		8.03.07.1 5.05.10-k	N	Y
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.13	QMH2462			2.03AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	N	Y
403619-B 21	QLogic	PCle	4Gb	403619-B 21	Loaded By Driver	3.13	QMH2462			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.11a5	LPe1105			6.03a11		In Box	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.11a5	LPe1105			6.03a11		8.2.0.136 (OOB)	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4		LPe1105			6.03a11		8.2.0.134 (OOB);	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	UEFI	Driver Version	Direct Connect Support	Boot Support
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.20a1	LPe1105			6.10a7		In Box, 8.2.0.145 (OOB), 8.2.0.145.4 p (OOB) RHEL 5.8/5.9	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.20a1	LPe1105			6.10a8		8.2.2.29	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.20a1	LPe1105			6.10a8		8.2.0.128.3p	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.20a1	LPe1105			6.10a8		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.30a1	LPe1105			6.10a14		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	N	Y
403621-B 21	Emulex	PCle	4Gb	403621-B 21	2.82x4	3.30a1	LPe1105			6.10a14		8.2.2.33	N	Y
41B	Brocade	PCle	4Gb	AP767A/B	Loaded by Driver	3.2.1.0	415					3.2.1.0 (OOB) RHEL 5.8/5.9	N	Y
41B	Brocade	PCle	4Gb	AP767A/B	Loaded by Driver	3.2.1.0	415					3.0.23.0	N	Y
42B	Brocade	PCle	4Gb	AP768A/B	Loaded by Driver	3.2.1.0	425					3.2.1.0 (OOB) RHEL 5.8/5.9	N	Y
42B	Brocade	PCle	4Gb	AP768A/B	Loaded by Driver	3.2.1.0	425					3.0.23.0	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	UEFI	Driver Version	Direct Connect Support	Boot Support
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562				3.60.04	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562			2.65.01		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562			2.65.01		8.04.00.1 2.5.6-k2	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562			2.65.01		8.03.07.1 5.05.10-k	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	2.16	QMH2562		NA	2.39AF		In Box	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562			2.58AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	N	Y
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.13	QMH2562			2.58AF		8.04.00.0 6.5.6-k2	Y	N
451871-B 21	QLogic	PCle	8Gb	451871-B 21	Loaded By Driver	3.08	QMH2562			2.52AF		8.03.07.1 4.5.6-k (OOB)	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.00a4		LPe1205			6.03a11		8.2.0.134 (OOB)	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.00a4	3.11a5	LPe1205			6.03a11		8.2.0.136 (OOB)	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.00a4	3.11a5	LPe1205			6.03a11		In Box	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	UEFI	Driver Version	Direct Connect Support	Boot Support
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01 a4	3.20a1	LPe1205			6.10a7		In Box, 8.2.0.145 (OOB), 8.2.0.145.4 p (OOB) RHEL 5.8/5.9	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01a12	3.30a1	LPe1205			6.10a14		In Box, 8.2.0.145 (OOB), 8.2.0.145.4 p (OOB) RHEL 5.8/5.9	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01a12	3.30a1	LPe1205			6.10a14		8.2.2.33	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01 a4	3.20a1	LPe1205			6.10a8		8.2.2.29	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01 a4	3.20a1	LPe1205			6.10a8		8.2.0.128.3p	N	Y
456972-B 21	Emulex	PCle	8Gb	456972-B 21	2.01 a4	3.20a1	LPe1205			6.10a8		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.59AF		8.04.00.0 6.5.6-k2	Y	N
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.59AF		8.04.00.1 0.5.6-k(O OB) RHEL 5.8/5.9	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.59AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	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	UEFI	Driver Version	Direct Connect Support	Boot Support
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.65.01		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.65.01		8.03.07.1 5.05.10-k	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.13	QMH2572			2.65.01		8.04.00.1 2.5.6-k2	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.08	QMH2572		NA	2.50af		In Box	N	Y
651281-B 21	QLogic	PCle	8Gb	651281-B 21	Loaded by Driver	3.08	QMH2572		NA	2.51af		8.03.07.1 4.5.6-k (OOB)	N	Y
710608-B 21	QLogic	PCle	16Gb	710608-B 21	6.07.02	3.21	QMH2672 -HP-SP			2.02.47		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	N	Y
710608-B 21	QLogic	PCle	16Gb	710608-B 21	6.07.02	3.21	QMH2672 -HP-SP			2.02.47		8.04.00.1 2.5.6-k2	N	Y
710608-B 21	QLogic	PCle	16Gb	710608-B 21	6.07.02	3.21	QMH2672 -HP-SP				3.90.02	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
804	Brocade	PCle	8Gb	590647-B 21	Loaded by Driver	3.2.1.0	804					3.0.23.0	N	Y
804	Brocade	PCle	8Gb	590647-B 21	Loaded by Driver	3.2.1.0	804					3.2.1.0 (OOB) RHEL 5.8/5.9	N	Y
804	Brocade	PCle	8Gb	590647-B 21	Loaded by Driver	3.0.3.4	804					3.0.0.0	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	UEFI	Driver Version	Direct Connect Support	Boot Support
804	Brocade	PCle	8Gb	590647-B 21	Loaded by Driver	3.1.0.2	804					3.1.0.0	N	Y
804	Brocade	PCle	8Gb	590647-B 21	3.0.0.0	3.0.3.0	804					3.0.0.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	3.0.0.0	3.0.3.0	815					3.0.0.0	N	Y
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	Loaded by Driver	3.0.3.4	815					3.0.0.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	Loaded by Driver	3.2.1.0	815					3.0.23.0	N	Y
81B	Brocade	PCle	8Gb	AP769A/B	Loaded by Driver	3.2.1.0	815					3.2.1.0 (OOB) RHEL 5.8/5.9	N	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a2		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a2		8.2.2.29	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a2		8.2.0.128.3p	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01a12	2.12a14	LPe12000			5.20a6		8.2.0.136 (OOB)	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01a12	2.12a14	LPe12000			5.20a6		8.2.2.33	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.12a9	LPe12000			5.20a0		In Box	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.12a9	LPe12000			5.20a0		8.2.0.134 (OOB)	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.12a9	LPe12000			5.20a0		8.2.0.136 (OOB)	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	UEFI	Driver Version	Direct Connect Support	Boot Support
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a0		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.01 a4	2.12a9	LPe12000			5.20a0		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
81e	Emulex	PCle	8Gb	AJ762A/B	2.00a4	2.02a2	LPe12000			5.03a10		8.2.0.134 (OOB)	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	3.08	QLE2560			2.52AF		8.03.07.1 4.5.6-k (OOB)	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.58AF		8.04.00.0 6.5.6-k2	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.58AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.65.01		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.65.01		8.04.00.1 2.5.6-k2	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560			2.65.01		8.03.07.1 5.05.10-k	Y	Y
81Q	QLogic	PCle	8Gb	AK344A	Loaded By Driver	3.13	QLE2560				3.60.04	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	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	UEFI	Driver Version	Direct Connect Support	Boot Support
82B	Brocade	PCle	8Gb	AP770A/B	Loaded by Driver	3.2.1.0	825					3.2.1.0 (OOB) RHEL 5.8/5.9	N	Y
82B	Brocade	PCle	8Gb	AP770A/B	Loaded by Driver	3.2.1.0	825					3.0.23.0	N	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		3.0.0.0	825					3.0.0.0	N	Y
82B	Brocade	PCle	8Gb	AP770A/B	Loaded by Driver	3.0.3.4	825					3.0.0.0	N	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.02a2	LPe12002			5.03a10		8.2.0.134 (OOB)	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.12a9	LPe12002			5.20a0		8.2.0.134 (OOB)	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.12a9	LPe12002			5.20a0		8.2.0.136 (OOB)	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.00a4	2.12a9	LPe12002			5.20a0		In Box	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a0		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a0		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a2		8.2.2.29	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a2		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	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	UEFI	Driver Version	Direct Connect Support	Boot Support
82e	Emulex	PCle	8Gb	AJ763A/B	2.01 a4	2.12a9	LPe12002			5.20a2		8.2.0.128.3p	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01a12	2.12a14	LPe12002			5.20a6		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
82e	Emulex	PCle	8Gb	AJ763A/B	2.01a12	2.12a14	LPe12002			5.20a6		8.2.2.33	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.65.01		8.03.07.1 5.05.10-k	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.65.01		8.04.00.1 2.5.6-k2	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562				3.60.04	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.65.01		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	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	3.08	QLE2562			2.52AF		8.03.07.1 4.5.6-k (OOB)	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.58AF		8.04.00.0 6.5.6-k2	Y	Y
82Q	QLogic	PCle	8Gb	AJ764A	Loaded By Driver	3.13	QLE2562			2.58AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	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	UEFI	Driver Version	Direct Connect Support	Boot Support
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF		8.04.00.0 6.5.6-k2	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.13	QLE2460		NA	2.03AF		8.03.07.1 5.05.10-k	Y	Y
FC1142SR	QLogic	PCle	4Gb	AE311A	Loaded By Driver	3.08	QLE2460			1.99AF		8.03.07.1 4.5.6-k (OOB)	Y	Y
FC1142SR	QLogic	PCle	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	Loaded By Driver	3.08	QLA2460			1.99AF		8.03.07.1 4.5.6-k (OOB)	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF		8.03.07.1 5.05.10-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	UEFI	Driver Version	Direct Connect Support	Boot Support
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF		8.04.00.0 6.5.6-k2	Y	Y
FC1143	QLogic	PCI-X 2.0	4Gb	AB429A	Loaded By Driver	3.13	QLA2460			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462			2.03AF		8.03.07.1 5.05.10-k	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462			2.03AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
FC1242SR	QLogic	PCIe	4Gb	AE312A	Loaded By Driver	3.13	QLE2462			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	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		8.03.07.1 4.5.6-k (OOB)	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.08	QLA2462			1.99AF		8.03.07.1 4.5.6-k (OOB)	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	UEFI	Driver Version	Direct Connect Support	Boot Support
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		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462			2.03AF		8.04.00.0 6.5.6-k2	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462			2.03AF		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462			2.03AF		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
FC1243	QLogic	PCI-X 2.0	4Gb	AE369A	Loaded By Driver	3.13	QLA2462			2.03AF		8.03.07.1 5.05.10-k	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.0.145. 4p (OOB) RHEL 5.8/5.9	Y	N
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.2.29	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.2.33	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.0.128. 3p	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	UEFI	Driver Version	Direct Connect Support	Boot Support
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a9	LPe1150			5.20a0		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a8	LPe1150			5.03 a13		In Box	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a8	LPe1150			5.03 a13		8.2.0.136 (OOB)	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4	2.12a8	LPe1150			5.03 a13		8.2.0.134 (OOB)	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4		LPe1150			5.03a10		In Box	Y	Y
FC2142SR	Emulex	PCIe	4Gb	A8002A/B	2.82x4		LPe1150		4.00a8	5.03a10		8.2.0.136 (OOB)	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a8	LP1150			5.03 a13		In Box	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a8	LP1150			5.03 a13		8.2.0.136 (OOB)	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a8	LP1150			5.03 a13		8.2.0.134 (OOB)	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4		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 (OOB) RHEL 5.8/5.9	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	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	UEFI	Driver Version	Direct Connect Support	Boot Support
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0		8.2.2.33	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0		8.2.0.128.3p	Y	Y
FC2143	Emulex	PCI-X 2.0	4Gb	AD167A	2.82x4	2.12a9	LP1150			5.20a0		8.2.2.29	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.0.128.3p	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.2.33	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a9	LPe11002			5.20a0		8.2.2.29	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a8	LPe11002			5.03 a13		In Box	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a8	LPe11002			5.03 a13		8.2.0.134 (OOB)	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4	2.12a8	LPe11002			5.03 a13		8.2.0.136 (OOB)	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4		LPe11002			5.03a10		In Box	Y	Y
FC2242SR	Emulex	PCle	4Gb	A8003A/B	2.82x4		LPe11002		4.00a8	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	UEFI	Driver Version	Direct Connect Support	Boot Support
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a8	LP11002			5.03 a13		8.2.0.134 (OOB)	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a8	LP11002			5.03 a13		In Box	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a8	LP11002			5.03 a13		8.2.0.136 (OOB)	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4		LP11002			5.03a10		In Box	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.2.33	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.0.128.3p	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
FC2243	Emulex	PCI-X 2.0	4Gb	AD168A	2.82x4	2.12a9	LP11002			5.20a0		8.2.2.29	Y	Y
LPe1205 A	Emulex	PCIe	8Gb	659818-B 21	2.00a8	3.20a1	LPe1205 A			6.10a7		8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
LPe1205 A	Emulex	PCIe	8Gb	659818-B 21	2.00a8	3.20a1	LPe1205 A			6.10a7		8.2.0.145.4p (OOB) RHEL 5.8/5.9	N	Y
LPe1205 A	Emulex	PCIe	8Gb	659818-B 21	2.00a8	3.12a3	LPe1205 A			6.10a4		In Box	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	UEFI	Driver Version	Direct Connect Support	Boot Support
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.00a8	3.12a3	LPe1205 A			6.10a4		8.2.0.136	N	Y
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.02x6	3.30a1	LPe1205 A			6.10a14		8.2.0.145. 4p (OOB) RHEL 5.8/5.9	N	Y
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.02x6	3.30a1	LPe1205 A			6.10a14		8.2.2.33	N	Y
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.02x6	3.20a1	LPe1205 A			6.10a8		8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	N	Y
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.02x6	3.20a1	LPe1205 A			6.10a8		8.2.0.128. 3p	N	Y
LPe1205 A	Emulex	PCle	8Gb	659818-B 21	2.02x6	3.20a1	LPe1205 A			6.10a8		8.2.2.29	N	Y
LPe16002	Emulex	PCle	16Gb		1.0.11.10 1	Contained in FW	LPe16002							
LPe1605	Emulex	PCle	16Gb	718203-B 21	1.1.62.0	Contained in FW	LPe1605					8.2.2.33	N	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.62.0	Contained in FW	LPe16000					8.2.2.33	Y	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.62.0	Contained in FW	LPe16000					In Box	N	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.43.6	Contained in FW	LPe16000					8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.43.6	Contained in FW	LPe16000					8.2.2.29	Y	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.21.8	Contained in FW	LPe16000					8.2.0.145 (OOB) RHEL 5.8/5.9	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	UEFI	Driver Version	Direct Connect Support	Boot Support
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.1.21.8	Contained in FW	LPe16000					8.2.0.145.4p (OOB) RHEL 5.8/5.9	Y	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.0.11.11 0	Contained in FW	LPe16000					8.2.0.136 (OOB)	N	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.0.11.11 0	Contained in FW	LPe16000					8.2.0.134 (OOB)	N	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.0.11.11 0	Contained in FW	LPe16000					8.2.0.134 (OOB)	N	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.0.11.11 0	Contained in FW	LPe16000					In Box	Y	Y
SN1000E 1P	Emulex	PCle	16Gb	QR558A	1.0.11.10 8	Contained in FW	LPe16000					In Box	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.0.11.10 8	Contained in FW	LPe16002					In Box	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.0.11.11 0	Contained in FW	LPe16002					8.2.0.134 (OOB)	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.0.11.11 0	Contained in FW	LPe16002					8.2.0.136 (OOB)	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.0.11.11 0	Contained in FW	LPe16002					8.2.0.134 (OOB)	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.0.11.11 0	Contained in FW	LPe16002					In Box	Y	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.21.8	Contained in FW	LPe16002					8.2.0.145 (OOB) RHEL 5.8/5.9	Y	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.21.8	Contained in FW	LPe16002					8.2.0.145.4p (OOB) RHEL 5.8/5.9	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	UEFI	Driver Version	Direct Connect Support	Boot Support
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.43.6	Contained in FW	LPe16002					8.2.2.21.2 p-1 (OOB) RHEL 5.8/5.9	Y	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.43.6	Contained in FW	LPe16002					8.2.2.29	Y	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.62.0	Contained in FW	LPe16002					8.2.0.136 (OOB)	N	Y
SN1000E 2P	Emulex	PCle	16Gb	QR559A	1.1.62.0	Contained in FW	LPe16002					8.2.2.33	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.07.02	3.21	QLE2660		NA	6.20	3.90.01	8.04.00.0 6.5-6-k2	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.07.02	3.21	QLE2660				3.90.02	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.07.02	3.21	QLE2660		NA	2.02.47		8.04.00.1 2.5.6-k2	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.07.02	3.21	QLE2660		NA	2.02.47		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.02.00	3.14	QLE2660		NA	2.00.47		8.04.00.0 6.5-6-k2	Y	Y
SN1000Q 1P	QLogic	PCle	16Gb	QW971A	6.2.00	3.18	QLE2660		NA	2.01.10		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.07.02	3.21	QLE2662		NA	2.02.47		8.04.00.1 2.5.6-k2	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	UEFI	Driver Version	Direct Connect Support	Boot Support
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.07.02	3.21	QLE2662		NA	2.02.47		8.04.00.1 2.5.6-k2 (OOB) RHEL 5.8/5.9	Y	Y
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.2.00	3.18	QLE2662		NA	2.01.10		8.04.00.1 0.5.6-k (OOB) RHEL 5.8/5.9	Y	Y
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.02.00	3.14	QLE2662		NA	2.00.47		8.04.00.0 6.5-6-k2	Y	Y
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.07.02	3.21	QLE2662				3.90.02	8.04.00.1 2.5.6-k2 (OOB) RHEL 5.9/5.10	Y	Y
SN1000Q 2P	QLogic	PCle	16Gb	QW972A	6.07.02	3.21	QLE2662		NA	6.20	3.90.01	8.04.00.0 6.5-6-k2	Y	Y
SN1100E 1P	Emulex	PCle	16Gb	C8R38A	1.1.62.0	Included in firmware	LPe16000 b					8.2.2.21 (OOB) RHEL 5.8/5.9	Y	Y
SN1100E 1P	Emulex	PCle	16Gb	C8R38A	1.1.62.0	Included in firmware	LPe16000 b					8.2.2.33	Y	Y
SN1100E 1P	Emulex	PCle	16Gb	C8R38A	1.1.43.6	Included in firmware	LPe16000 b					8.2.2.21 (OOB) RHEL 5.8/5.9	Y	Y
SN1100E 1P	Emulex	PCle	16Gb	C8R38A	1.1.43.6	Included in firmware	LPe16000 b					8.2.2.29	Y	Y
SN1100E 2P	Emulex	PCle	16Gb	C8R39A	1.1.43.6	Included in firmware	LPe16002 b					8.2.2.29	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	UEFI	Driver Version	Direct Connect Support	Boot Support
SN1100E 2P	Emulex	PCIe	16Gb	C8R39A	1.1.43.6	Included in firmware	LPe16002b					8.2.2.21 (OOB) RHEL 5.8/5.9	Y	Y
SN1100E 2P	Emulex	PCIe	16Gb	C8R39A	1.1.62.0	Included in firmware	LPe16002b					8.2.2.33	Y	Y
SN1100E 2P	Emulex	PCIe	16Gb	C8R39A	1.1.62.0	Included in firmware	LPe16002b					8.2.2.21 (OOB) RHEL 5.8/5.9	Y	Y

Notes:

General Host Bus Adapter (HBA) (223) Notes:

- 1) The following Emulex 2Gb HBAs are supported with 3PAR OS 3.1.1 only: LP9002, LP9402, LP9802, LP10000
- 2) Emulex 4Gb HBAs LP11000 and LPe11000 are also supported using the same driver/firmware/bios combinations stated as supported for FC2143/LP1150 and FC2142SR/LPe1150 respectively.
- 3) The following Emulex 8Gb HBAs are also supported: LPe1205
- 4) The following QLogic 4Gb HBAs are also supported: QLe2464, QLe2440, QLA2440
- 5a) For Emulex LPe12xxx HBAs firmware version 2.00a3 is NOT supported.
- 5b) Emulex LPe16xxx HBAs are only supported from RH 5u8 and later
- 5c) QLogic QLE26xx 16G HBAs are only supported from RH 5u8 and later
- 6) This is the list of QLogic and Emulex driver versions:
 - 6a)RHEL 5 U3: 8.02.00.06.05.03-k (Qlogic)
 - 6b)RHEL 5 U3: 8.2.0.33.3p (Emulex)
 - 6c)RHEL 5 U4: 8.03.00.10.05.05-k (Qlogic)
 - 6d)RHEL 5 U4: 8.2.0.48.3p (Emulex)
 - 6e)RHEL 5 U5: 8.03.01.04.05.05-k (Qlogic)
 - 6f)RHEL 5 U5: 8.2.0.63.3p (Emulex)
 - 6g)RHEL 5 U6: 8.03.01.05.05.06-k (Qlogic)
 - 6h)RHEL 5 U6: 8.2.0.63.3p (Emulex), HP preferred: 8.2.0.104
 - 6i)RHEL 5 U7: 8.03.07.03.05.07-k (Qlogic), 8.03.07.03.5.6-k6, HP preferred: 8.03.07.14.5.6-k (OOB)
 - 6j)RHEL 5 U7: 8.2.0.96.2p (Emulex), HP preferred: 8.2.0.134 (OOB)
 - 6k)RHEL 5 U8: 8.03.07.03.5.6-k6(OOB) (QLogic), 8.03.07.14.5.6-k (OOB), HP preferred: 8.04.00.10.5.6-k (OOB)
 - 6l)RHEL 5 U8: 8.2.0.108.4p (Emulex), HP preferred: 8.2.0.134 (OOB), 8.2.0.145 (OOB)
 - 6m)RHEL 5 U9: 8.03.07.15.05.09-k (Qlogic), HP preferred: 8.04.00.10.5.6-k (OOB)
 - 6n)RHEL 5 U9: 8.2.0.128.3p (Emulex), 8.2.0.136 (OOB), 8.2.0.145 (OOB), HP preferred: 8.2.0.145.4p (OOB)
 - 6o)RHEL 5 U9: HP preferred: 3.0.23.0
- 7) For RHEL 5 U1 and U2, inbox drivers are not supported. Use one of the versions below.
 - 7a) RHEL 5 U1: 8.01.07.15, 8.02.14.01, 8.01.07.25, 8.01.01 (Qlogic)
 - 7b) RHEL 5 U1: 8.1.10.12, 8.2.0.22, 8.1.10.3, 8.1.10.9 (Emulex)
 - 7c) RHEL 5 U2: 8.01.07.15, 8.02.14.01, 8.01.07.25, 8.01.01 (Qlogic)
 - 7d) RHEL 5 U2: 8.1.10.12, 8.1.10.3, 8.1.10.9 (Emulex)
 - 8a) Brocade HBA is supported on RHEL 5.6 and above

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9) QMH2572 HBA supported only on RHEL 5.7 and above

Converged Network Adapter (CNA) (124)																
Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
526FLR	HP	LOM	10GbE		629138-B21		QDH825 2-HP-S P			01.13.51	4.14.26		5.0.29.5			N
526FLR	HP	LOM	10GbE		629138-B21		QDH825 2-HP-S P			01.13.51	4.14.26		5.0.29.5			N
526FLR	HP	LOM	10GbE		629138-B21		QDH825 2-HP-S P			01.13.23	4.14.25	8.04.00.12.5.6-k2 (OOB) RHEL 5.8/5.9	5.0.29.5 (OOB) RHEL 5.8		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.0.134 (OOB)			Yes	No
554FLB	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
554FLB	HP	LOM	10GbE					Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
554FLB	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554FLB	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
554FLR	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
554FLR	HP	LOM	10GbE					Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.0.136 (OOB)	4.2.116.0r		Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
554FLR	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.2.401.2215	8.2.0.14 5.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.2.401.2215	8.2.0.14 5 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.6.247.5	8.2.2.21. 2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.9.311.20	8.2.0.13 4 (OOB)			Yes	No
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.450.7	8.2.0.13 6 (OOB)			Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.402.20	8.2.0.13 4 (OOB)			Yes	No
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.450.1707	8.2.0.13 6 (OOB)	4.1.450.7		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.450.1707	8.2.0.13 6 (OOB)	4.2.116.0r		Y	N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
554M	HP	PCIe	10 GbE		647590-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
CN1000E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
CN1000 E	HP	PCIe	10 GbE		AW520 A/B						4.0.360-15	In Box			Yes	No
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
CN1000 E	HP	PCIe	10 GbE		AW520 A/B			Contained in FW			4.9.311.20	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1000 Q	HP	PCIe	10 GbE		BS668A					01.13.23	4.14.25	8.04.00.12.5.6-k2 (OOB) RHEL 5.8	5.0.29.5 (OOB) RHEL 5.8		Y	N
CN1000 Q	HP	PCIe	10 GbE		BS668A					01.13.23	4.14.25	8.04.00.12.5.6-k2 (OOB) RHEL 5.9	5.0.29 (Inbox) RHEL 5.9		Y	N
CN1000 Q	HP	PCIe	10 GbE		BS668A					01.13.51	4.14.26		5.0.29.5			N

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Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
CN1000 Q	HP	PCIe	10 GbE		BS668A					01.13.51	4.14.26		5.0.29.5			N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.9.311.20	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A						4.0.360-15	In Box			Yes	No
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
CN1100 E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
CN1100E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
CN1100E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
CN1100E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
CN1100E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
CN1100E	HP	PCIe	10 GbE		BK835A			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC551i	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
NC551i	HP	LOM	10GbE					Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
NC551i	HP	LOM	10GbE								4.0.360-15	In Box			Yes	No
NC551i	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
NC551i	HP	LOM	10GbE					Contained in FW			4.2.401.6					
NC551i	HP	LOM	10GbE					Contained in FW			4.9.311.20	In Box			Yes	No
NC551i	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.9.311.20	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21						4.0.360-15	In Box			Yes	No
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
NC551m	HP	PCIe	10 GbE		580151-B21			Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
NC553i	HP	LOM	10GbE								4.0.360-15	In Box			Yes	No

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC553i	HP	LOM	10GbE					Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC553i	HP	LOM	10GbE					Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
NC553m	HP	PCle	10 GbE		613431-B21			Contained in FW			4.9.311.20	8.2.2.33	4.9.311.1		Y	N
NC553m	HP	PCle	10 GbE		613431-B21			Contained in FW			4.9.311.20	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC553m	HP	PCle	10 GbE		613431-B21			Contained in FW			4.2.401.2215	8.2.0.145 (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.2.401.2215	8.2.0.145.4p (OOB) RHEL 5.8/5.9	4.2.389.0		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB) 8.3.5.77.1p (OOB)	4.1.450.7		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.16	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21						4.0.360-15	In Box			Yes	No
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.402.20	8.2.0.134 (OOB)			Yes	No
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.7	8.2.0.136 (OOB)			Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.2.116.0r		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.1.450.1707	8.2.0.136 (OOB)	4.1.450.7		Y	N
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.6.247.5	8.2.2.29 (OOB) RHEL 5.10	4.9.215.3	6.3.18.1-2	Y	N

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Vendor	Bus	Ethernet Speed	FC Speed	HP Part Number	3PO Part Number	Vendor Part Number	BIOS	EFI	Boot Image	Firmware	Driver Version	NIC Driver Version	One Command	Boot Support	Direct Connect Support
NC553m	HP	PCIe	10 GbE		613431-B21			Contained in FW			4.6.247.5	8.2.2.21.2p-1 (OOB) RHEL 5.8/5.9	4.6.247.7		Y	N

Notes:

General Converged Network Adapter (CNA) (124) Notes:

1) This is the list of QLogic and Emulex OOB driver versions:

1a) RHEL 5 U6: 8.2.0.106-1p (Emulex)

1b) RHEL 5 U7: 8.2.0.106-1p (Emulex)

1c) RHEL 5 U8: 8.2.0.136 (OOB)

1d) RHEL 5 U9: 8.2.0.136 (OOB)

2) NC551i, NC551m, NC553i, NC553m, CN1000E are only supported on RHEL 5 U7 and later

Fibre Channel Switch (60)					
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
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
HP SN6000B 16Gb 48-port/24-port Active Power Pack+ Fibre Channel Switch	Edge	Brocade	16Gb/s	48	6510

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
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
HP StorageWorks 4/16 SAN Switch	Edge	Brocade	4Gb/s	16	200e

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
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
HP StorageWorks Encryption SAN Switch	Edge	Brocade	8Gb/s	32	BES

HP 3PAR StoreServ 7200/7400/7450 10400/10800 Storage FC Red Hat Enterprise Linux 5 IA32/x64

Name	Class	Vendor	Bandwidth	Port Count	Vendor Part Number
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 (60) 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	Vendor	Class	FC Port Speed	FC Port Count	Ethernet Port Speed	Ethernet Port Count	Vendor Part Number
Cisco Nexus 5010 Converged Network Switch	Cisco	Edge	4Gb/s	8	10Gb/s	26	
Cisco Nexus 5020 Converged Network Switch	Cisco	Edge	4Gb/s	16	10Gb/s	52	
Cisco Nexus 5548UP Converged Network Switch	Cisco	Edge	8Gb/s	48	10Gb/s	48	N5K-C5548UP-OSM
Cisco Nexus 5596UP Converged Network Switch	Cisco	Edge	8Gb/s	96	10Gb/s	96	N5K-C5596UP-OSM
HP FlexFabric 5900CP	HP	Edge	8Gb/s	48	10GbE / 40GbE	48 / 4	JG838A
HP StorageWorks 2408 FCoE Converged Network Switch	Brocade	Edge	8Gb/s	8	10Gb/s	24	8000
HP StorageWorks 2408 FCoE Power Pack+ Converged Network Switch	Brocade	Edge	8Gb/s	8	10Gb/s	24	8000
HP StorageWorks DC SAN Director Switch 10/24 FCoE Blade	Brocade	Module	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
Native Device Mapper	Red Hat	Multipath	
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	4.1
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0 MP3
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.0 MP4
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	6.0
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.1 SP1 RP2
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	5.1 SP1 PR2 RP2 P2
Veritas DMP (Dynamic Multipathing)	Symantec	Multipath	6.1

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

- 1) 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 minimum required version of SF5.1 for support.
- 3) Symantec/Veritas Storage Foundation (VxDMP/VCS) is only supported in a FC-Fabric attach (FC-switched) configuration.
- 4) List of Device Mapper versions:
 - 4a) RHEL 5 U1: device-mapper-1.02.20-1.el5, device-mapper-multipath-0.4.7-12.el5
 - 4b) RHEL 5 U2: device-mapper-1.02.24-1.el5, device-mapper-multipath-0.4.7-17.el5
 - 4c) RHEL 5 U3: device-mapper-1.02.28-2.el5, device-mapper-multipath-0.4.7-23.el5
 - 4d) RHEL 5 U4: device-mapper-1.02.32-1.el5, device-mapper-multipath-0.4.7-30.el5_4.4
 - 4e) RHEL 5 U5: device-mapper-1.02.39-1.el5, device-mapper-multipath-0.4.7-34.el5
 - 4f) RHEL 5 U5: device-mapper-multipath-0.4.7-42.el5, Achieved by adding a patch
 - 4g) RHEL 5 U6: device-mapper-1.02.55-2.el5, device-mapper-multipath-0.4.7-42.el5
 - 4h) RHEL 5 U7: device-mapper-1.02.63-4.el5, device-mapper-multipath-0.4.7-46.el5
 - 4i) RHEL 5 U8: device-mapper-1.02.67-2.el5, device-mapper-multipath-0.4.7-48.el5
 - 4j) RHEL 5 U9: device-mapper-1.02.67-2.el5, device-mapper-multipath-0.4.7-54.el5