



Legacy HP SureStore Tape Automation Hardware/Software Compatibility Matrix

February 2004

Version 1.0

This matrix includes tape automation compatibility details for Direct Attach SCSI (DAS), Direct Attach Fibre (DAF or point-to-point fibre), and Storage Area Network (SAN) connection options. This matrix does not imply device availability.

[start here](#)

For information about tape drive compatibility and support, go to <http://www.hp.com/go/connect>



STORAGE HARDWARE / SOFTWARE COMPATIBILITY MATRIX

Legacy HP Tape Automation | Infrastructure | Fibre HBAs | SCSI HBAs | Backup Applications

February 2004

Legacy HP Tape Libraries	A5590A (HVD), A4687A (LVD) Embedded Fibre bridges	A4673A (HVD), A4674A (LVD) Embedded Fibre bridges	FC 2/1 bridge (A4689A, LVD) (External Product)	FC 4/1 Bridge (A4688A, HVD) (External Product)	A6356A Interface Manager (A4673A (HVD), (A4674A (LVD) cards) (External Product) (note 2)
HP SureStore 10/180 Tape Library (Ultrium 230)	(Note 1)	(Note 1)	√	√	√
HP SureStore 20/700 Tape Library (Ultrium 230)	(Note 1)	(Note 1)	√	√	√
HP SureStore 10/100 Tape Library (Ultrium 230)	(Note 1)	√ (Note 1)			
HP SureStore 8/80 Tape Library (Ultrium 230)	(Note 1)	√ (Note 1)			
HP SureStore 6/60 Tape Library (Ultrium 230)	(Note 1)	√ (Note 1)			
HP SureStore 4/40 Tape Library (Ultrium 230)	(Note 1)	√ (Note 1)			
HP SureStore 2/20 Tape Library (Ultrium 230)	(Note 1)	√ (Note 1)			
HP SureStore 10/180 Tape Library (DLT 8K)			√	√	√
HP SureStore 20/700 Tape Library (DLT 8K)			√	√	√
HP SureStore 10/100 Tape Library (DLT 8K)	√ (Note 1)	√ (Note 1)			
HP SureStore 8/80 Tape Library (DLT 8K)	√ (Note 1)	√ (Note 1)			
HP SureStore 6/60 Tape Library (DLT 8K)	√ (Note 1)	√ (Note 1)			
HP SureStore 4/40 Tape Library (DLT 8K)	√ (Note 1)	√ (Note 1)			
HP SureStore 2/20 Tape Library (DLT 8K)	√ (Note 1)	√ (Note 1)			

Legacy HP Autoloaders	Direct Attach SCSI Only
HP SureStore 1/9 Tape Autoloader (Ultrium 230)	√
HP SureStore 1/9 Tape Autoloader (DLT 8K)	√
HP SureStore 1/9 Tape Autoloader (DLT-1)	√

NOTE:

1) See HP Fibre Card section in Infrastructure tab for details regarding card capabilities and version information.

STORAGE HARDWARE / SOFTWARE COMPATIBILITY MATRIX

February 2004

Fibre Config Notes (A4674A and A4673A cards)

Topology	Number of AF Luns	Port Mode	Buffered Tape Writes	Mapping Mode	ALPA	ALPA Address
DAF (Direct Attach Fibre) (Notes 1, 2)	0	Auto_Sense	Enabled	Auto_Indexed	HARD	125 (Windows) or 0 (HP-UX)
SAN (Switch Attached) (Notes 1, 3)	0	N_Port	Enabled	Auto_Indexed	SOFT	N/A

HP Fibre Card Information

Product	Service Part Number	SCSI Type	SCSI Conn	FC Type	Core H/W	HP Tested Topology	Drive Support
A4687A (discontinued)	C7200-60009	HVD	HDC	GBIC	2100ER	DAF Only	8K
A4687A (Note 4)	C7200-60016	LVD	HDC	GBIC	2100ER	DAF, DAS (limited,	8K
A5590A (Note 4)	C7200-60109	HVD	HDC	GBIC	2100ER	DAF, DAS, DAF, DAS (limited, see Note 4)	8K
A4674A	C9520-60116	LVD	VHDC	GLM	4x50	DAF, DAS, SAN	8K, LTO1
A4673A	C9520-60109	HVD	VHDC	GLM	4x50	DAF, DAS, SAN	8K, LTO1

Switches

Product	Min FW version	Ongoing Testing
HP/Brocade FC 16B	v.3.0.1b	√ (Note 5)
HP/Brocade FC 8B	V.3.0.1b	√ (Note 5)
HP/Brocade 2400/2800	v.2.1.9f, a2.4.1	√ (Note 5)
HP/Brocade FC 6164	a2.4.1	
HP/McData FC-64	v.01.01.02, v1.3	
McData ED5000	v4.0	
Connectrix ED-1032	v4.0	

NOTES:

- 1) The Above settings are **REQUIRED** for proper operation and should be verified/set manually via the telnet interface to each individual fibre card. These settings need to be checked after any and all firmware downloads!!
- 2) DAF indicates Direct attach fiber or point to point connection through A/L port connect only.
- 3) SAN indicates N port login and multi-initiator supported.
- 4) No multi-initiator support for these cards.
- 5) Ongoing testing is conducted using latest release version of driver available from external web.

February 2004

Fibre Channel HBA's

Windows Fibre HBA's	Min Driver requirements	Ongoing Testing	Platforms (Note 2)	1 gig	2 gig	Windows 2003 (64-bit)	Windows 2000	NT SP6
HP FC-2101		√ (Note 1)	Proliant / Netserver	√	√		√	
HP D8602B	3.04107.0	√ (Note 1)	Netserver	√			√	√
Qlogic QLA-2200F	7.05.05 + SNIA Library Patch	√ (Note 1)	Netserver	√			√	
Emulex LP-8000	FW 3.82a1, Driver v5-4.52a7		Netserver	√			√	
Compaq 17649-B21	FW 3.82a1, Driver v5-4.52a7		Proliant	√			√	
AB232A	Driver 6-4.82a8		IA-64		√	√		
A7298	Driver 6-4.82a8		IA-64		√	√		
HP-UX Fibre HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	1 gig	2 gig	11.x	10.2	
A6684A	Driver AR_1201 w/ PHKL_23939		D and R class (HSC)	√		√	√	
A6685A	Driver AR_1201 w/ PHKL_23939		K class (HSC)	√		√	√	
A5158A	Driver AR_1201 w/ PHKL_23939	√ (Note 1)	PA-Risc PCI servers	√		√		
A6795A	Driver AR_1201 w/ PHKL_23939	√ (Note 1)	PA-Risc and IA-64 PCI servers	√	√	√		
A6826A	Driver AR_1203 FW 3.02.165	√ (Note 1)	PA-Risc PCI servers		√	HP-UX 11.11 only		
Linux Fibre HBA's	Min Driver requirements	Ongoing Testing	Platforms (Note 2)	1 gig	2 gig	Red Hat AS 2.1 (64-bit)	United Linux 1.0 (64-bit)	
A6826A			IA-64		√	√	√	
Solaris Fibre HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	1 gig	2 gig			
JNI FCE-6410-N (PCI)	4.0.5	√ (Note 1)	Solaris 8	√	√			
JNI FCE-1063-N (S-Bus)	4.0.5		Solaris 6,7,8	√				
JNI FCI-1063N (PCI)	2.5.18		Solaris 6,7,8	√				
JNI FC64-1063N (S-Bus)	2.5.18		Solaris 6,7,8	√				
AIX Fibre HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	1 gig	2 gig			
IBM FC6228	Firmware 3.82A1, Driver 4.3.3.75		AIX 4.3	√				
Emulex LP8000	v4.1.0.5		AIX 4.3	√				
NetWare Fibre HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	1 gig	2 gig	Netware 5.0	Netware 5.1	
Qlogic QLA-2200F	6.50.c (010307) QL2200.HAM BIOS v1.74 / 2.01.35		IA-32	√		√	√	

NOTES:

- 1) Ongoing testing is conducted using latest release version of driver available from external web.
- 2) Recommend always keeping up with latest quarterly HWVE patch bundle.

**STORAGE HARDWARE / SOFTWARE
COMPATIBILITY MATRIX**

February 2004

Direct Attach SCSI HBA's

Windows SCSI HBA's	Min Driver requirements	Ongoing Testing	Platforms (Note 2)	Ultra 80	Ultra 160	Windows 2003 64-bit	Windows 2000	NT SP6
A7059A	sym_u3, version 5.2.3673		IA-64		√	√		
A7060A	sym_u3, version 5.2.3673		IA-64		√	√		
C7474A	Driver Adpu160m.sys		IA-32		√		√	√
HP-UX SCSI HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	Ultra 80	Ultra 160	11.x	10.2	
A5149A	c8xx	√ (Note 1)	PA-Risc PCI servers	√		√		
A5150A	c8xx	√ (Note 1)	PA-Risc PCI servers	√		√		
A5138A	c8xx	√ (Note 1)	PA-Risc PCI servers	√		√		
A6828A	c8xx	√ (Note 1)	PA-Risc and IA-64 PCI servers		√	√		
A6829A	c8xx	√ (Note 1)	PA-Risc and IA-64 PCI servers		√	√		
Linux SCSI HBA's	Min Driver requirements	Ongoing Testing	Platforms (Note 2)	Ultra 80	Ultra 160	Red Hat AS 2.1 (32-bit)	Red Hat AS 2.1 (64-bit)	United Linux 1.0 (64-bit)
A7059A	sym53c8xx		IA-64		√		√	√
A7060A	sym53c8xx		IA-64		√		√	√
C7474A	Driver Aic7xxx		IA-32		√	√		
NetWare SCSI HBA's	Min Driver requirements (Note 2)	Ongoing Testing	Platforms	Ultra 80	Ultra 160	Netware 5.0	Netware 5.1	
C7474A	Driver Adpt160m.ham		IA-32		√	√	√	

NOTES:

- 1) Ongoing testing is conducted using latest release version of driver available from external web.
- 2) Recommend always keeping up with latest quarterly HWVE patch bundle.

STORAGE HARDWARE / SOFTWARE COMPATIBILITY MATRIX

February 2004

Backup Applications

Product	Windows NT4 SP6	Windows 2000	HPUX 10.20	HPUX 11.xx	Solaris 6, 7 and 8	AIX 4.3	Netware 5.x	Linux Red Hat AS 2.1 (32-bit)	Linux Red Hat AS 2.1 (64-bit)	United Linux 1.0 (64-bit)	Server 2003 (64-bit)
HP OpenView Storage Data Protector 5.1	√	√	√	√	√				√ (Notes 1,3)	√ (Notes 1,3)	√ (Notes 1,3)
HP OpenView Storage Data Protector 5.0	√	√	√	√	√						
HP OpenView Omniback 4.1	√	√	√	√	√		√				
HP OpenView Omniback 4.0	√	√	√	√	√		√				
HP OpenView Omniback 3.5.1	√	√	√	√	√		√				
VERITAS NetBackup 4.5	√	√	√	√	√	√ (Note 2)					
VERITAS NetBackup 3.4	√	√	√	√	√	√ (Note 2)					
VERITAS Backup Exec 8.6	√	√					√ (Note 3)				
VERITAS Backup Exec 8.5	√	√									
Computer Associates ARCserve 2000/7.0	√	√					√ (Note 3)	√ (Note 3)			
Legato NetWorker 7.1				√ (Notes 1,3)					√ (Notes 1,3)	√ (Notes 1,3)	√ (Notes 1,3)
Legato NetWorker 6.2	√ (Note 1)	√ (Note 1)									
Legato NetWorker 6.1.1	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)						
IBM Tivoli Storage Manager 5.1	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)						
IBM Tivoli Storage Manager 4.2	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)	√ (Note 1)						

NOTES:

- 1) Direct Attach Fibre (DAF) only.
- 2) Minimum NBUP patch set required for AIX operation with Netbackup.
- 3) Direct Attach SCSI (DAS) only.