

HP Data Protector Express 4.0 SP1 Compatibility Matrix (includes Data Protector Express Single Server Edition)

October 2008

Start Here

Key Updates:

- Bare Metal Disaster Recovery and One Button Disaster Recovery support for Windows Server 2008
- Bare Metal Disaster Recovery support for Windows VISTA
- Operating System and interoperability updates throughout
- New 3rd party device support



HP Data Protector Express Hardware/Software Compatibility Matrix

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HP Data Protector Express Hardware/Software Compatibility Matrix

How To Use This Document

The **HP Data Protector Express Compatibility Matrix** provides information about the operating systems, applications, and backup devices tested by HP to be compatible with Data Protector Express and Data Protector Express Single Server Edition. Data Protector Express Single Server Edition is provided exclusively with HP tape drives and autoloaders and delivers a subset of Data Protector Express functionality.

New updates/changes to individual fields within the Matrix will be listed **GREEN**. Previous versions of the Data Protector Express Compatibility Matrix are available on the web at www.hp.com/go/dataprotectorexpress.

HP provides commercially reasonable efforts to test and support Data Protector Express with as many different operating systems, service packs, applications and hardware devices as possible and as demanded by customers. However, due to the large number of software and hardware combinations, it is not possible to test all combinations. If a particular device, service pack or version is not included in this document it may be compatible with Data Protector Express but has not been tested by HP with Data Protector Express. To deliver the comprehensive HP support, this support is only valid when Data Protector Express is used in combination with software and hardware listed in this document.

For additional information on HP stand-alone tape products and compatibility, go to www.hp.com/go/connect. For further compatibility details on HP tape drives' One Button Disaster Recovery (OBDR), see the OBDR compatibility matrix at www.hp.com/go/obdr. To get the latest robot and drive firmware for HP tape libraries and autoloaders, go to the EBS Compatibility Matrix located at www.hp.com/go/ebs.

NOTE: This document provides compatibility information for:

- Data Protector Express
- Data Protector Express for Microsoft Small Business Server
- Data Protector Express Kit for HP StorageWorks D2D Backup System
- Data Protector Express Single Server Edition

The Data Protector Express for Microsoft Small Business Server license enables the Data Protector Express Backup Server, the Data Protector Express Online Application Agent (x2) and the Data Protector Express Bare Metal Disaster Recovery option. All compatibility information in this document applies to these Data Protector Express components as enabled by this license, except where Data Protector Express for Microsoft Small Business Server is shown separately.

The Data Protector Express Kit for HP StorageWorks D2D Backup System license includes the Data Protector Express Backup Server, Data Protector Express Network Server Agent (x3) and the Data Protector Express D2Any2Any option. All compatibility information in this document applies to these Data Protector Express components as enabled by this license.

Data Protector Express Single Server Edition is a subset of the features and compatibility of Data Protector Express and is shown separately in this document.

HP Data Protector Express Hardware/Software Compatibility Matrix

Operating Systems Support ¹

Direct Attach SCSI and SAS (DAS) and Direct Attach Fibre (DAF) ²	Data Protector Express Single Server Edition	Data Protector Express for Windows Small Business Server ⁶	Data Protector Express			
			Backup Server	Network Server Agent	Desktop Backup Agent ³	Bare Metal Disaster Recovery Option ⁴
Microsoft Windows Server						
Windows Server 2008 (32-bit and X64)	✓		✓	✓		✓
Windows Server 2003 R2 (32-bit and X64)	✓		✓	✓		✓
Windows Small Business Server 2008 (32-bit and X64)	✓	✓	✓	✓		✓
Windows Small Business Server 2003 R2 (32-bit and X64)	✓	✓	✓	✓		✓
Windows Unified Data Storage Server R2 (32-bit and X64)	✓		✓	✓		✓
Windows Storage Server 2003 (32-bit and X64) ⁵	✓		✓	✓		✓
Microsoft Windows Workstation and Desktop						
Windows VISTA SP1 (32-bit and X64)	✓		✓	✓	✓	✓
Windows XP SP3 (32-bit)	✓		✓	✓	✓	✓
LINUX						
Red Hat Enterprise Linux (WS/ES/AS) 5.0 update 1 (32-bit and X64)	✓		✓	✓		✓
Red Hat Enterprise Linux (WS/ES/AS) 4.0 update 6 (32-bit and X64)	✓		✓	✓		✓
SuSE Linux Enterprise Server 10 update 2 (32-bit and X64)	✓		✓	✓		✓
SuSE Linux Enterprise Server 9 update 4 (32-bit and X64)	✓		✓	✓		✓
NetWare						
NetWare 6.5 sp5	✓		✓	✓		✓

NOTES:

- Where Service Packs, Updates or Support Packs are given, these are the minimum levels required for Data Protector Express to run on the listed operating system. Higher versions are supported.
- See "[How To Use This Document](#)" for description of support.
- The Data Protector Express Backup Server installation includes the capability to backup Windows workstations over the network. These desktop agents are not licensed separately.
- If using the BMDR option with the HP tape drive's OBDR feature, check the server and operating systems support here: www.hp.com/go/obdr
- Microsoft Windows Storage Server 2003 is supported with HP ProLiant Storage Servers.
- Note that because the Data Protector Express Online Application Agent runs on the Microsoft Small Business Server operating system the application specific procedures must be followed as described in the backup section of the Data Protector Express Users Guide.

HP Data Protector Express Hardware/Software Compatibility Matrix

Online Application Agent Support

			Data Protector Express ¹	Data Protector Express Single Server Edition
Applications	Application Version	Operating System Support		
Microsoft SQL Server	Microsoft SQL Server 2005 SP1	Windows 2003 R2 (32-bit)	✓	
	Microsoft SQL Server 2000 SP4	Windows 2003 R2 (32-bit)	✓	
Microsoft Exchange Server	Microsoft Exchange Server 2007 SP1	Windows 2003 R2 (X64)	✓	
	Microsoft Exchange Server 2003 SP2	Windows 2003 R2 (32-bit)	✓	
Microsoft Windows SharePoint Services	SharePoint Services 3.0	Small Business Server 2008 (32-bit and X64)	✓	
		Small Business Server 2003 (32-bit and X64)	✓	

NOTES:

1) Online Application Agent support is through Data Protector Express only.

HP Data Protector Express Hardware/Software Compatibility Matrix

HP StorageWorks Tape Libraries/Autoloaders

Direct Attach SCSI and SAS (DAS) and Direct Attach Fibre (DAF) ¹			Data Protector Express	Data Protector Express Single Server Edition
HP Ultrium Tape Libraries	Interface	OBDR Support ^{7,8,10,11}		
MSL8096 ^{2,5}			✓	✓
MSL4048 ^{2,5}			✓	✓
MSL2024 ^{2,5}			✓	✓
Ultrium 1840 (LTO-4) ⁶	FC		✓	✓
Ultrium 1840 (LTO-4) ⁶	SCSI		✓	✓
Ultrium 1760 (LTO-4) ^{3,6}	SAS		✓	✓
Ultrium 1760 (LTO-4) ^{6,12}	SCSI		✓	✓
Ultrium 960 (LTO-3) 4Gb	FC		✓	✓
Ultrium 960 (LTO-3)	FC		✓	✓
Ultrium 960 (LTO-3)	SCSI		✓	✓
Ultrium 920 (LTO-3)	SCSI		✓	✓
Ultrium 920 (LTO-3) ³	SAS		✓	✓
Ultrium 448 (LTO-2)	SCSI		✓	✓
HP Ultrium Tape Autoloaders ^{2,4,5}	Interface	OBDR Support ^{7,8,10,11}		
1/8 G2 Tape Autoloader				
Ultrium 1760 (LTO-4) ^{3,6}	SAS		✓	✓
Ultrium 1760 (LTO-4) ⁶	SCSI		✓	✓
Ultrium 920 (LTO-3) ³	SAS		✓	✓
Ultrium 920 (LTO-3)	SCSI		✓	✓
Ultrium 448 (LTO-2)	SCSI		✓	✓
Ultrium 232 (LTO-1)	SCSI		✓	✓
HP DAT Tape Autoloaders ^{2,4,5}	Interface	OBDR Support ^{7,8}		
DAT72x10 Autoloader		✓	✓	✓
Advanced Drive and Media Features				
MSL Library Partitioning			✓	✓
MSL/AL Encryption Kit (EK) ⁹				
Ultrium LTO-4 Application Key Management			✓	✓
Ultrium WORM			✓	✓

NOTES:

- 1) See "[How To Use This Document](#)" for description of support.
- 2) Autoloaders, MSL 2024, MSL 4048, and MSL 8096 are not supported with SMART Array Controllers.
- 3) Automation products with SAS drives must be connected using the HP SC44Ge SAS HBA.
- 4) Autoloaders are only supported in Direct Attach SCSI configurations.
- 5) One Button Disaster Recovery (OBDR) not supported on this device.
- 6) LTO4 (Ultrium 1840 and 1760) drives support AES hardware encryption.
- 7) The HP One-Button Disaster Recovery (OBDR) feature allows a system to boot from a locally attached tape drive with any full backup tape loaded with no additional preparation steps required. OBDR is supported via the Data Protector Express Bare Metal Disaster Recovery option. Data Protector Express supports OBDR on HP ProLiant servers running supported Windows and/or Linux operating systems. OBDR is not supported with NetWare.

8) For the latest OBDR compatibility information, please see support here: www.hp.com/go/obdr

9) USB LTO-4 Encryption Key Server for MSL Libraries and Autoloaders

10) The HP One-Button Disaster Recovery (OBDR) feature is not supported on MSL Libraries or 1/8 G2 Tape Autoloaders.

11) OBDR support requires the Data Protector Express Bare Metal Disaster Recovery option and the Bare Metal Disaster Recovery option is included with Data Protector Express Single Server Edition

HP Data Protector Express Hardware/Software Compatibility Matrix

HP StorageWorks Tape Drives ²

Direct Attach SCSI and SAS (DAS) ¹			Data Protector Express	Data Protector Express Single Server Edition
HP DAT Tape Drives	Interface	OBDR Support ^{3,4,5,6}		
DAT160 (DDS-6 80/160GB)	SCSI	✓	✓	✓
DAT160 (DDS-6 80/160GB)	USB	✓	✓	✓
DAT160 (DDS-6 80/160GB)	SAS	✓	✓	✓
DAT72 (DDS-5 36/72GB)	SCSI	✓	✓	✓
DAT72 (DDS-5 36/72GB)	USB	✓	✓	✓
HP DLT/SDLT Tape Drives				
Value Smart VS160	SCSI		✓	✓
SDLT 600 U320	SCSI	✓	✓	✓
HP Ultrium Tape Drives				
Ultrium 1840 (LTO-4 Full Height)	SCSI	✓	✓	✓
Ultrium 1840 (LTO-4 Full Height) ⁵	SAS	✓	✓	✓
Ultrium 1760 (LTO-4 Half Height)	SAS	✓	✓	✓
Ultrium 960 (LTO-3 Full Height)	SCSI	✓	✓	✓
Ultrium 920 (LTO-3 Half Height)	SCSI	✓	✓	✓
Ultrium 920 (LTO-3 Half Height) ⁵	SAS	✓	✓	✓
Ultrium 460 (LTO-2 Full Height)	SCSI	✓	✓	✓
Ultrium 448 (LTO-2 Half Height)	SCSI	✓	✓	✓
Ultrium 448 (LTO-2 Half Height) ⁵	SAS	✓	✓	✓
Ultrium 232 (LTO-1 Half Height)	SCSI	✓	✓	✓

NOTES:

- 1) See "[How To Use This Document](#)" for description of support.
- 2) For details on HP StorageWorks tape drive support, please check www.hp.com/go/connect
- 3) The HP One-Button Disaster Recovery feature (OBDR) allows a system to boot from a locally attached tape drive with any full backup tape loaded with no additional preparation steps required. OBDR is supported via the Data Protector Express Bare Metal Disaster Recovery option. Data Protector Express supports OBDR on HP ProLiant servers running supported Windows and/or Linux operating systems. OBDR is not supported with NetWare.
- 4) For the latest OBDR compatibility information, please see support here: www.hp.com/go/obdr
- 5) SC44Ge (416096-B21) SAS controller does not support OBDR and Windows Server 2008 with HP StorageWorks Ultrium 448 SAS, 920 SAS, and 1840 SAS tape drives
- 6) OBDR support requires the Data Protector Express Bare Metal Disaster Recovery option and the Bare Metal Disaster Recovery option is included with Data Protector Express Single Server Edition

HP Data Protector Express Hardware/Software Compatibility Matrix

HP All-in-One, HP ProLiant Storage Server, HP Virtual Library System, and HP D2D Backup System

Direct Attach SCSI (DAS) and iSCSI Support ¹		Data Protector Express	Data Protector Express Single Server Edition
HP All-in-One Storage (AiO) ^{2,6}	Interface		
AiO1200r	SCSI	✓	
AiO1200	SCSI	✓	
AiO600	SCSI	✓	
AiO400t	SCSI	✓	
AiO400r	SCSI	✓	
HP ProLiant Storage Server ³	Interface		
DL585G2 Storage Server	SCSI	✓	
DL380 G5 Storage Server	SCSI	✓	
DL320s Storage Server	SCSI	✓	
DL185 G5 Storage Server	SCSI	✓	
DL160 G5 Storage Server	SCSI	✓	
ML350 G5 Storage Server	SCSI	✓	
ML350 G4 Storage Server	SCSI	✓	
ML110 G5 Storage Server	SCSI	✓	
HP Virtual Library Systems (VLS)	Interface		
VLS 1000i Series (iSCSI) ⁴	iSCSI	✓	✓
HP D2D Backup Systems	Interface		
D2D4009i Backup System ⁵	iSCSI	✓	✓
D2D4004i Backup System ⁵	iSCSI	✓	✓
D2D2500i Backup System ⁵	iSCSI	✓	✓
D2D130 Backup System ⁵	iSCSI	✓	✓
D2D120 Backup System ⁵	iSCSI	✓	✓
D2D110 Backup System ⁵	iSCSI	✓	✓

NOTES:

- 1) See "[How To Use This Document](#)" for description of support.
- 2) HP All-in-One (AiO) Storage, single integrated solution providing shared storage for application servers (iSCSI Target), enhanced file serving (NAS), backup target services and data protection software.
- 3) HP ProLiant Storage Server is a powerful file and print solution that enables environments to centralized Network Attached Storage (NAS).
- 4) Configurations running an HP VLS1000i virtual tape library must use the "HP VLS1000i" emulation in order to function properly.
- 5) For more information go to "www.hp.com/go/connect"
- 6) The Data Protector Express Backup Server is factory installed on the AiO products and it is only upgradeable as part of an ASM upgrade.

HP Data Protector Express Hardware/Software Compatibility Matrix

3rd Party Tape Libraries/Autoloaders ²

Direct Attach SCSI and SAS (DAS) ¹			Data Protector Express	Data Protector Express ² Single Server Edition
Tape Libraries and Autoloaders	Format	Interface		
ADIC FastStore	DLT / LTO	SCSI	✓	
ADIC Scalar i500	DLT / LTO	FC	✓	
ADIC Scalar i500	DLT / LTO	SCSI	✓	
BDT ThinStor	DLT VS / DLT / SDLT / LTO	SCSI	✓	
BDT ThinStorPlus	SDLT / LTO	SCSI	✓	
Certance LTO2 Autoloader	LTO	SCSI	✓	
Certance DAT 240	DAT	SCSI	✓	
Certance DAT 96	DAT	SCSI	✓	
Certance LTO Autoloader	LTO	SCSI	✓	
Certance LTO3 Autoloader	LTO	SCSI	✓	
Dell PV-120T	DAT	SCSI	✓	
Dell PV-122T	DLT / LTO	SCSI	✓	
Dell PV-124T	DLT / SDLT / LTO	SCSI	✓	
Dell ML6000	LTO	FC	✓	
Dell ML6000	LTO	SCSI	✓	
Dell TL2000	LTO	SAS	✓	
Dell TL2000	LTO	SCSI	✓	
Dell TL4000	LTO	SAS	✓	
Dell TL4000	LTO	SCSI	✓	
Exabyte PacketLoader 1x7 identifies as EZ17	VXA-2,	SCSI	✓	
Exabyte PacketLoader 1x10 2U	VXA-2	SCSI	✓	
Exabyte PacketLoader 1x10 1U	VXA-2	SCSI	✓	
Exabyte Magstar 3590	Magstar	SCSI	✓	
Exabyte Magstar MP 3570	Magstar	SCSI	✓	
Exabyte StorageLoader	LTO	SCSI	✓	
Gateway E-826R SuperLoader3	LTO	SCSI	✓	
IBM TS2900	LTO	SAS	✓	
IBM TS3200	LTO	SCSI / SAS	✓	
IBM ULT 3581-TA	LTO	SCSI	✓	
Overland LoaderXpress (LXL)	DLT / SDLT / LTO	SCSI	✓	
Quantum Scalar 24	LTO	SCSI	✓	
Quantum PX500	SDLT	SCSI	✓	
Quantum SuperLoader	DLT / SDLT / LTO	SCSI	✓	
Quantum SuperLoader 3	SDLT / LTO	SCSI	✓	
Sony LIB-D81	AIT-1 / AIT-2 / AIT-3 / AIT-4 / AIT-5	SCSI	✓	
Sony LIB-81	AIT-1 / AIT-2 / AIT-3 / AIT-4 / AIT-5	SCSI	✓	
Sony LIB-162	AIT-1 / AIT-2 / AIT-3 / AIT-4 / AIT-5	SCSI	✓	
Sony TSL-7000 DDS-2	DAT	SCSI	✓	
Sony TSL-9000 DDS-3	DAT	SCSI	✓	
Sony TSL-10000 DDS-4	DAT	SCSI	✓	
Sony TSL-11000 DDS-4	DAT	SCSI	✓	
Sony TSL-A300C AIT-1	AIT	SCSI	✓	
Sony TSL-A400C AIT-1	AIT	SCSI	✓	
Sony TSL-A500C AIT-2	AIT	SCSI	✓	
Sun StorageTek SL24 Tape Library	LTO	SCSI / SAS	✓	
Sun StorageTek SL48 Tape Library	LTO	SCSI / SAS	✓	
Tandberg StorageLoader LTO3	LTO	SCSI	✓	
Tandberg StorageLoader	LTO	SCSI	✓	
Tandberg StorageLoader VXA	VXA	SCSI	✓	

NOTES:

1) See "[How To Use This Document](#)" for description of support.

2) HP provides 3rd party device support through Data Protector Express only. Data Protector Express Single Server Edition only supports HP tape and D2D products.

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HP Data Protector Express

Hardware/Software Compatibility Matrix

3rd Party Tape Drives ² (page 1 of 3)

Direct Attach SCSI and SAS (DAS) ¹			Data Protector Express	Data Protector Express ² Single Server Edition
Tape Drives	Format	Interface		
Certance STD 2200N DDS-1	DAT	SCSI	✓	
Certance STD 2400N DDS-1 w/compression	DAT	SCSI	✓	
Certance STD 224000N DDS-3	DAT	SCSI	✓	
Certance STD 240LW DDS-4 Scorpion 40	DAT	SCSI	✓	
Certance DAT 72	DAT	SCSI	✓	
Certance STD 28000N DDS-2	DAT	SCSI	✓	
Certance CL400 Ultrium 1	LTO	SCSI	✓	
Certance CL400H Ultrium 2	LTO	SCSI	✓	
Certance CL800 LTO Ultrium 3	LTO	SCSI	✓	
Dell PowerVault 100T DDS4	DAT	SCSI	✓	
Dell PowerVault 100T Dat72	DAT	SCSI	✓	
Dell PowerVault 114T Dat72	DAT	SCSI	✓	
Dell PowerVault 110T DLT VS80	DLT	SCSI	✓	
Dell PowerVault 110T VS160	DLT	SCSI	✓	
Dell PowerVault 114T VS160	DLT	SCSI	✓	
Dell PowerVault 110T SDLT320	DLT	SCSI	✓	
Dell PowerVault 114T SDLT320	DLT	SCSI	✓	
Dell PowerVault 110T LTO	LTO	SCSI	✓	
Dell PowerVault 110T LTO-2	LTO	SCSI	✓	
Dell PowerVault 114T LTO-2L	LTO	SCSI	✓	
Dell PowerVault 110T LTO-3	LTO	SCSI	✓	
Dell PowerVault 110T LTO-3-L	LTO	SCSI	✓	
Dell PowerVault LTO-4-120	LTO	SAS	✓	
Dell PV 114T LTO-3	LTO	SAS	✓	
Dell PV 114T LTO-4	LTO	SAS	✓	
Exabyte VXA-1 Packet Tape Drive	8mm	SCSI	✓	
Exabyte VXA-2 Packet Tape Drive	8mm	SCSI / IDE	✓	
Exabyte VXA-172 and VXA-320 Packet Tape Drive ³	8mm	SCSI	✓	
Exabyte ULT 3580 LTO1	LTO	SCSI	✓	
Exabyte ULT 3580-TD2 LTO2	LTO	SCSI	✓	
Exabyte ULT 3580-TD3 LTO3	LTO	SCSI	✓	
Exabyte ULT 3580-TD4 LTO4	LTO	SCSI	✓	
IBM Ultrium 1	LTO	SCSI	✓	
IBM Ultrium 2	LTO	SCSI	✓	
IBM Ultrium 3	LTO	SCSI	✓	
IBM Ultrium 4	LTO	SAS	✓	
IBM TS2230 HH LTO3	LTO	SCSI, SAS	✓	
IBM TS2240 HH LTO4	LTO	SAS	✓	
IBM TD4 HH LTO-4	LTO	SAS	✓	

NOTES:

1) See "[How To Use This Document](#)" for description of support.

2) HP provides 3rd party device support through Data Protector Express only. Data Protector Express Single Server Edition only supports HP tape and D2D products.

3) NetWare not supported.

HP Data Protector Express

Hardware/Software Compatibility Matrix

3rd Party Tape Drives ² (page 2 of 3)

Direct Attach SCSI and SAS (DAS) ¹			Data Protector Express	Data Protector Express ² Single Server Edition
Tape Drives	Format	Interface		
Quantum VS80	DLT	SCSI	✓	
Quantum VS160 Benchmark Version	DLT	SCSI	✓	
Quantum DLT-S4	DLT	SCSI	✓	
Quantum DLT-V4	DLT	SCSI	✓	
Quantum DLT 8000	DLT	SCSI	✓	
Quantum SDLT 220	DLT	SCSI	✓	
Quantum SDLT 320	DLT	SCSI	✓	
Quantum SDLT 600	DLT	SCSI	✓	
Quantum DAT160	DAT	SCSI / USB / SAS	✓	
Quantum LTO-2	LTO	SCSI	✓	
Quantum LTO-2 HH	LTO	SCSI	✓	
Quantum LTO-3	LTO	SCSI	✓	
Quantum LTO-3 HH	LTO	FC / SAS / SCSI	✓	
Quantum LTO4	LTO	SAS	✓	
Quantum LTO-4 HH	LTO	SAS	✓	
Sony SDX-400V AIT-1	AIT	SCSI	✓	
Sony SDX-500V AIT-2	AIT	SCSI	✓	
Sony SDX-300C AIT-1	AIT	SCSI	✓	
Sony SDX-400C AIT-1	AIT	SCSI	✓	
Sony SDX-420C AIT-1	AIT	IDE	✓	
Sony SDX-500C AIT-2	AIT	SCSI	✓	
Sony SDX-520C AIT-2	AIT	IDE	✓	
Sony SDX-700C AIT-3	AIT	SCSI	✓	
Sony SDX-420V AIT-1	AIT	IDE	✓	
Sony SDX-700V AIT-3	AIT	SCSI	✓	
Sony SDX-250V AIT-E	AIT	SCSI	✓	
Sony SDX-450V AIT-1	AIT	SCSI	✓	
Sony SDX-550V AIT-2	AIT	SCSI	✓	
Sony SDX-900V AIT-4	AIT	SCSI	✓	
Sony SDX-1100 AIT-5	AIT	SCSI	✓	
Sony SDX-560V AIT-2	AIT	IDE	✓	
Sony SDX-520V AIT-4	AIT	IDE	✓	
Sony SDX-260V AIT-E	AIT	IDE	✓	
Sony SDX-460V, IDE AIT-1	AIT	SCSI	✓	
Sony SDX-460V, AITe100-UL	AIT	USB	✓	
Sony SDX-560V, AITe200-UL	AIT	USB	✓	
Sony SDX-870V, AIT-3Ex	AIT	SATA	✓	
Sony SDZ-100 SAIT-1	AIT	SCSI	✓	

NOTES:

1) See "[How To Use This Document](#)" for description of support.

2) HP provides 3rd party device support through Data Protector Express only. Data Protector Express Single Server Edition only supports HP tape and D2D products.

HP Data Protector Express Hardware/Software Compatibility Matrix

3rd Party Tape Drives ² (page 3 of 3)

Direct Attach SCSI and SAS (DAS) ¹			Data Protector Express	Data Protector Express ² Single Server Edition
Tape Drives	Format	Interface		
Sony SDT-7000 DDS2	DAT	SCSI	✓	
Sony SDT-9000 DDS2	DAT	SCSI	✓	
Sony SDT-10000 DDS4	DAT	SCSI	✓	
Sony SDT-11000 DDS4	DAT	SCSI	✓	
Sony SDT-2000 DDS-1	DAT	SCSI	✓	
Sony SDT-4000 DDS-1	DAT	SCSI	✓	
Sony SDT-5000 DDS-1	DAT	SCSI	✓	
Sony SDT-5200 DDS-1	DAT	SCSI	✓	
STK 9840	DLT	SCSI	✓	
SUN Half Height LTO 3 (HP) U320	LTO	SCSI	✓	
SUN Half Height LTO 3 (HP) SAS	LTO	SAS	✓	
Tandberg SDLT220	DLT	SCSI	✓	
Tandberg SDLT320	DLT	SCSI	✓	
Tandberg DLT 8000	DLT	SCSI	✓	
Tandberg DLT-V4	DLT	SCSI	✓	
Tandberg 220 LTO	LTO	SCSI	✓	
Tandberg 420 LTO (also called Tandberg TS400)	LTO	SCSI	✓	
Tandberg 820 LTO (also called Tandberg TS800)	LTO	SCSI	✓	
Tandberg 1640 LTO (also called LTO-4 FH)	LTO	SAS	✓	
Tandberg LTO-2 HH	LTO	SAS / SCSI	✓	
Tandberg LTO-3 HH	LTO	SAS / SCSI	✓	
Tandberg TS1600 LTO-4 HH	LTO	SAS / SCSI	✓	
Tandberg LTO4 FH	LTO	SCSI	✓	
Tandberg SLR140 70/140 GB	QIC	SCSI	✓	
Tandberg SLR75 38/75 GB (identifies as SLR60)	QIC	SCSI	✓	
Tandberg SLR6/SLR24 12/24 GB	QIC	SCSI	✓	
Tandberg SLR32/MLR1/TDC 6100 16/32 GB	QIC	SCSI	✓	
Tandberg SLR40 20/40 GB	QIC	SCSI	✓	
Tandberg SLR50/MLR3 25/50 GB	QIC	SCSI	✓	
Tandberg SLR60 30/60 GB	QIC	SCSI	✓	
Tandberg SLR100 50/100 GB	QIC	SCSI	✓	

NOTES:

1) See "[How To Use This Document](#)" for description of support.

2) HP provides 3rd party device support through Data Protector Express only. Data Protector Express Single Server Edition only supports HP tape and D2D products.

HP Data Protector Express

Hardware/Software Compatibility Matrix

Removable Cartridge (Hard Disk) Devices and Disk Devices Emulating CD Drives

Direct Attach SCSI (DAS) ¹		Data Protector Express	Data Protector Express ² Single Server Edition
HP Removable Cartridge (Hard Disk) Devices	Interface		
RDX Removable Disk Backup System	USB	✓	✓
3rd Party Removable Cartridge (Hard Disk) Devices ³	Interface		
Dell RD1000	USB / SATA	✓	
Prostor RDX	USB / SATA	✓	
Quantum GoVault	SATA	✓	
Quantum GoVault	USB	✓	
Tandberg RDX Quickstor	USB / SATA	✓	
3rd Party Disk Devices Emulating CD Drives	Interface		
lomega REV ⁴	IDE / SCSI / USB	✓	
lomega REV Autoloader 10/1 ⁴	SCSI	✓	
lomega REV 120 ⁴	USB	✓	
lomega REV 120 ⁴	SATA	✓	

NOTES:

- 1) See "[How To Use This Document](#)" for description of support.
- 2) HP provides 3rd party disk devices emulating CD drives and removable cartridge (hard disk) devices support through Data Protector Express only.
- 3) Windows and LINUX support only.
- 4) Windows only support.

HP Data Protector Express Hardware/Software Compatibility Matrix

HP SAS Host Bus Adapters

HP Branded ProLiant SAS Host Bus Adapters ^{1,2,3}

Windows					
Product Number (Part Number)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP SC44Ge ⁵ (416096-B21)	PCI-e	3Gb	4	SAS	SFF8470
HP 8 Internal Port SAS HBA with RAID (347786-B21)	PCI-X	3Gb	8	SAS	SFF8484 Wide Port
HP Smart Array P800 (381513-B21)	PCI-e	3Gb	16	SAS	SFF8484 Wide Port Mini SAS
HP Smart Array E500 (435129-B21)	PCI-e	3Gb	8	SAS	Wide Port Mini SAS
HP Smart Array P400 (405132-B21)	PCI-e	3Gb	8	SAS	Wide Port Mini SAS
HP Smart Array P600 (337972-B21)	PCI-X	3Gb	8	SAS	SFF8484 SFF8470 Wide Port

Linux					
Product Number (Part Number)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP SC44Ge (416096-B21)	PCI-e	3Gb	4	SAS	SFF8470
HP 8 Internal Port SAS HBA with RAID (347786-B21)	PCI-X	3Gb	8	SAS	SFF8484 Wide Port
HP Smart Array P800 (381513-B21)	PCI-e	3Gb	16	SAS	SFF8484 Wide Port Mini SAS
HP Smart Array E500 (435129-B21)	PCI-e	3Gb	8	SAS	Wide Port Mini SAS
HP Smart Array P400 (405132-B21)	PCI-e	3Gb	8	SAS	Wide Port Mini SAS
HP Smart Array P600 (337972-B21)	PCI-X	3Gb	8	SAS	SFF8484 SFF8470 Wide Port

HP BladeSystem c-Class PCI Expansion Blade with SAS Host Bus Adapters ⁴

Windows					
Product # (Part #)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP SC44Ge (416096-B21)	PCI-e	3Gb	4	SAS	SFF-8470

Linux					
Product # (Part #)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP SC44Ge (416096-B21)	PCI-e	3Gb	4	SAS	SFF-8470

NOTES:

- 1) Refer to the HP ProLiant Server QuickSpecs to determine which SCSI HBAs are supported.
- 2) Third party X86 servers supported with HP-Branded adapters only.
- 3) SMART Array Controllers do not support attachment to tape automation products.
- 4) Tape automation device attached to SC44Ge (416096-B21) residing in a PCI Expansion Blade (448018-B21)
- 5) SC44Ge (416096-B21) SAS controller does not support OBDR and Windows Server 2008 with HP StorageWorks Ultrium 448 SAS, 920 SAS, and 1840 SAS tape drives

HP Data Protector Express Hardware/Software Compatibility Matrix

HP Branded ProLiant SCSI Host Bus Adapters ^{1,2,3}

Windows					
Product # (Part #)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP U320e (AH627A)	PCI-e	Ultra320	2	SCSI-LVD	VHDCI
HP SC11Xe (412911-B21)	PCI-e	Ultra320	1	SCSI-LVD	VHDCI
374654	PCI-X	Ultra320	1	SCSI-LVD	VHDCI
268351	PCI-X	Ultra320	2	SCSI-LVD	VHDCI
284688	PCI	Ultra160	2	SCSI-LVD	VHDCI
129803	PCI-X	Ultra160	2	SCSI-LVD	VHDCI
154457	PCI-X	Ultra160	1	SCSI-LVD	HD68

Linux					
Product # (Part #)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
HP U320e (AH627A)	PCI-e	Ultra320	2	SCSI-LVD	VHDCI
HP SC11Xe (412911-B21)	PCI-e	Ultra320	1	SCSI-LVD	VHDCI
374654	PCI-X	Ultra320	1	SCSI-LVD	VHDCI
268351	PCI-X	Ultra320	2	SCSI-LVD	VHDCI
284688	PCI	Ultra160	2	SCSI-LVD	VHDCI
129803	PCI-X	Ultra160	2	SCSI-LVD	VHDCI
154457	PCI-X	Ultra160	1	SCSI-LVD	HD68

Netware					
Product # (-B21)	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
374654	PCI-X	Ultra320	1	SCSI-LVD	VHDCI
284688	PCI	Ultra160	2	SCSI-LVD	VHDCI
129803	PCI-X	Ultra160	2	SCSI-LVD	VHDCI
154457	PCI-X	Ultra160	1	SCSI-LVD	HD68

NOTES:

- 1) Refer to the HP ProLiant Server QuickSpecs to determine which SCSI HBAs are supported
- 2) Third party X86 servers supported with HP-Branded adapters only.
- 3) SMART Array Controllers do not support attachment to tape automation products.

HP Data Protector Express Hardware/Software Compatibility Matrix

3rd Party SCSI HBA and Integrated SCSI Controllers ^{1,2,3}

Windows						Linux						Netware					
Product #	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type	Product #	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type	Product #	System Bus	Data Transfer	Number of Channels	Signal Interface	Connector Type
Adaptec 29320	PCI-X	Ultra320	1	SCSI-LVD	HD68	Adaptec 29320	PCI-X	Ultra320	1	SCSI-LVD	HD68	Adaptec 29320	PCI-X	Ultra320	1	SCSI-LVD	HD68
Adaptec 29160	PCI-X	Ultra160	1	SCSI-LVD	VHDCI	Adaptec 29160	PCI-X	Ultra160	1	SCSI-LVD	VHDCI	Adaptec 29160	PCI-X	Ultra160	1	SCSI-LVD	VHDCI
Adaptec 39160	PCI-X	Ultra160	2	SCSI-LVD	VHDCI	Adaptec 39160	PCI-X	Ultra160	2	SCSI-LVD	VHDCI	Adaptec 39160	PCI-X	Ultra160	2	SCSI-LVD	VHDCI
LSI 22915	PCI-X	Ultra160	2	SCSI-LVD	VHDCI	ATTOTech UL4D	PCI-X	Ultra320	2	SCSI-LVD	VHDCI						
ATTOTech UL4D	PCI-X	Ultra320	2	SCSI-LVD	VHDCI	ATTOTech UL5D	PCI-e	Ultra320	2	SCSI-LVD	VHDCI						
ATTOTech UL5D	PCI-e	Ultra320	2	SCSI-LVD	VHDCI												

NOTES:

- 1) Refer to the HP ProLiant Server QuickSpecs to determine which SCSI HBAs are supported.
- 2) Third Party SCSI HBA support is for HP servers only
- 3) See vendor website for additional details:
<http://www.adaptec.com/>
<http://www.attotech.com/hp.html>
<http://www.lsilogic.com/>