

Dell PowerVault Compatibility Matrix



Notes and Cautions



NOTE: A NOTE indicates important information that helps you make better use of your computer



CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

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Overview

Dell tape solutions are tested with a wide range of platforms, backup software, and media to help ensure trouble-free, reliable performance. This matrix can help you determine if your tape backup components are compatible. See the Dell Support website at www.support.dell.com for service and warranty related items.

 **NOTE:** Dell is providing the information in this matrix as a convenience to our customers. THE INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE AND IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. The limited warranties for Dell products are set forth exclusively in the documentation accompanying such products. Nothing herein should be construed as modifying those limited warranties in any way.

Dell PowerVault Tape/PowerEdge Compatibility

 **NOTE:** For older Dell PowerEdge systems not listed in this document, see the PDF files attached to this document.

Internal PowerVault Tape / HBA Compatibility

Dell LSI2032	100T DAT72
	110T LTO2-LT
	LTO3-060 IBM
	LTO3-060 TBRG
Dell PERC H200 Adapter (Non Integrated Card)	LTO3-080 IBM SAS V2
	LTO4-120HH IBM
	LTO4-120 IBM SAS
	LTO4-120HH IBM V2
	LTO5-140 IBM SAS
	LTO6-HH IBM SAS
Internal Tape Adapter (ITA)	LTO3-080 IBM SAS V2
	LTO4-120HH IBM
	LTO4-120 IBM SAS
	LTO4-120HH IBM V2
	LTO5-140 IBM SAS
	LTO6-HH IBM SAS
Onboard SATA	RD1000 Int SATA

PowerEdge Server / Internal HBA Compatibility

	LSI 2032	H200 A	Onbrd SATA	ITA
PE T110	X		X	
PE T310	X	X	X	
PE T410	X	X	X	
PE T610	X	X	X	
PE T710	X	X	X	
PE T620				X
PE T320				X
PE T420				X

External PowerVault Tape / HBA Compatibility

Dell-LSI2032	External	Powervault 100T DAT72
		PowerVault 110T LTO2-LT
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	Powervault 110T LTO-3 FH
	PV114T	Powervault 100T DAT72
		PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	TL2000/4000	Powervault 110T LTO-3 FH

Dell SAS 5 E	External	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV114T	PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH QTM
		PowerVault LTO5-140 QTM
	TL2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
PowerVault LTO5-140 IBM SAS		
PV114X	PowerVault LTO3-060 IBM SAS	
	PowerVault LTO4-120HH IBM	
	PowerVault LTO5-140 IBM SAS	

Dell 6Gbps SAS HBA	External	PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
		PowerVault LTO6-HH IBM SAS

Dell 6Gbps SAS HBA	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
		PowerVault LTO6 IBM SAS
	PV114T	PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-060 QTM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO4-120HH QTM
		PowerVault LTO5-140 QTM
		PowerVault LTO6-HH IBM SAS
	TL1000/ 2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
		PowerVault LTO6-HH IBM SAS
PV114X	PowerVault LTO3-060 IBM SAS	
	PowerVault LTO3-080 IBM SAS V2	
	PowerVault LTO4-120HH IBM	
	PowerVault LTO4-120HH IBM V2	
	PowerVault LTO5-140 IBM SAS	
	PowerVault LTO6-HH IBM SAS	

Dell 12Gbps SAS HBA	External	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
		PowerVault LTO6-HH IBM SAS

Dell 12Gbps SAS HBA	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
		PowerVault LTO6 IBM SAS
	PV114T	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO4-120HH QTM
		PowerVault LTO5-140 QTM
		PowerVault LTO6-HH IBM SAS
	TL1000/ 2000/4000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
		PowerVault LTO6-HH IBM SAS
	PV114X	PowerVault LTO4-120HH IBM
PowerVault LTO4-120HH IBM V2		
PowerVault LTO5-140 IBM SAS		
PowerVault LTO6-HH IBM SAS		

Any 1GbE (or faster) NIC	TL2000/4000	PowerVault LTO3-060 IBM SAS/iSCSI
		PowerVault LTO4-120 IBM SAS/iSCSI
		PowerVault LTO4-120HH IBM SAS/iSCSI
		PowerVault LTO5-140 IBM SAS/iSCSI
		PowerVault LTO6-HH IBM SAS/iSCSI

External USB	External	PowerVault RD1000 Ext USB
		PowerVault RD1000 Ext USB 3.0
	PV114X	PowerVault RD1000 Rack USB
		PowerVault RD1000 Rack USB 3.0

PowerEdge Server / External HBA Compatibility

	LSI2032	SAS 5/E	6Gbps SAS*	1GbE/USB2.0	12Gbps SAS	USB3.0
T110	X	X	X	X		
T310	X	X	X	X		
T410			X	X		
T610	X	X	X	X		
T710	X	X	X	X		
R210	X		X	X		
R310	X	X	X	X		
R410	X	X	X	X		
R510	X	X	X	X		
R610	X	X	X	X		
R710	X	X	X	X		
R715	X		X	X		
R810	X	X	X	X		
R815	X		X	X		
R910	X	X	X	X		
R620			X	X		
R720			X	X		
R820			X	X		
R320			X	X		
T320			X	X		
R420			X	X		
T420			X	X		
R520			X	X		
R920			X	X		
R220			X	X		
R415			X	X		
R515			X	X		
T620			X	X		
R730					X	X
R630					X	X
T630					X	X

*The Low-Profile version of the 6Gbps SAS controller is not physically compatible with 11G Servers and below. Users must use the Full-Height card to insure proper installation.

External PowerVault Tape / Brocade HBA Comaptibility

Supported Brocade HBA's	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

* Brocade model BR815 & BR825 do not support direct attach to tape drive.

External PowerVault Tape / Qlogic HBA Comaptibility

Supported Qlogic HBA's	ML6000	PowerVault LTO3 FC*
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

 ***NOTE:** ML6000- LTO3 tape devices not supported on Qlogic 16Gb FC.


External PowerVault Tape / Emulex HBA Comaptibility


Supported Emulex HBA's	ML6000	PowerVault LTO3 FC*
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

 ***NOTE:** ML6000 -LTO3 tape devices not supported on Emulex 16Gb FC.

PowerEdge Server / Fibre HBA Compatibility

	LPE11002	LPE1150	LPE1200x	LPE1600x	QLE220	QLE246x	QLE256x	QLE266x	BR825	BR815	LPE1205-M	QME2572
R710	X	X	X		X	X	X		X	X		
R610	X	X	X		X	X	X		X	X		
T610	X	X	X		X	X	X		X	X		
R410	X	X	X		X	X	X		X	X		
T410	X	X		X		X	X	X	X	X		
T710	X	X	X		X	X	X		X	X		
T310	X	X		X		X		X				
R310			X				X		X	X		
R510	X	X	X		X	X	X		X	X		
R910	X	X	X	X	X	X	X	X	X	X		
R810	X	X	X		X	X	X		X	X		
M910											X	X
R815	X	X	X	X	X	X	X	X	X	X		
R715	X	X	X	X	X	X	X	X	X	X		
R620			X	X		X	X	X	X	X		
T620			X	X		X	X	X	X	X		
R720			X	X		X	X	X	X	X		
R820			X	X		X	X	X	X	X		
R420			X			X	X		X	X		
R520			X	X		X	X	X	X	X		
R320			X			X	X		X	X		
T420			X	X		X	X	X	X	X		
T320			X	X		X	X	X	X	X		
R630			X	X			X	X				
R730			X	X			X	X				
T630			X	X			X	X				

 **NOTE:** Brocade models BR815 & BR825 do not support direct attach to tape drive.

 **NOTE:** ML6000-LTO3 tape devices not supported on 16Gb FC.

Dell PowerVault System and Network Area Storage Compatibility

External PowerVault Tape / HBA Compatibility

Dell-LSI2032	External	PowerVault 100T DAT72
		PowerVault 110T LTO2-LT
		PowerVault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	PowerVault 110T LTO-3 FH
	PV114T	PowerVault 100T DAT72
		PowerVault 110T LTO2-LC
		PowerVault 110T LTO-3 FH
		PowerVault LTO3-060 QTM

	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	TL2000/4000	Powervault 110T LTO-3 FH

Dell SAS 5 E	External	PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV114T	PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH QTM
		PowerVault LTO5-140 QTM
	TL2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO5-140 IBM SAS
PV114X	PowerVault LTO3-060 IBM SAS	
	PowerVault LTO4-120HH IBM	
	PowerVault LTO5-140 IBM SAS	
Dell 6Gbps SAS HBA	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
		PowerVault LTO6 IBM SAS
	PV114T	PowerVault LTO3-060 QTM SAS
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-060 QTM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO4-120HH QTM
PowerVault LTO5-140 QTM		
PowerVault LTO6-HH IBM SAS		

	TL2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	PV114X	PowerVault LTO6-HH IBM SAS
		PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
		PowerVault LTO6-HH IBM SAS

Any 1GbE (or faster) NIC	TL2000/4000	PowerVault LTO3-060 IBM SAS/iSCSI
		PowerVault LTO4-120 IBM SAS/iSCSI
		PowerVault LTO4-120HH IBM SAS/iSCSI
		PowerVault LTO5-140 IBM SAS/iSCSI
		PowerVault LTO6-HH IBM SAS/iSCSI


External USB	External	PowerVault RD1000 Ext USB
		PowerVault RD1000 Ext USB 3.0
	PV114X	PowerVault RD1000 Rack USB
		PowerVault RD1000 Rack USB 3.0

NAS/External HBA Compatibility

	LSI2032	SAS 5/E	6Gbps SAS	1GbE/USB
PV NX200	X	X	X	X
PV NX300	X	X	X	X
PV NX3000	X	X	X	X
PV NX3100	X	X	X	X
PV DL2100	X	X	X	X
PV DL2200	X	X	X	X

External PowerVault / Brocade HBA Compatibility

Supported Brocade HBA's	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

 * Brocade models BR815 & BR825 do not support direct attach to tape drive.

External PowerVault Tape / Qlogic HBA Compatibility


Supported Qlogic HBA's	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

External PowerVault Tape / Emulex HBA Compatibility

Supported Emulex HBA's	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC


NAS / External Fibre HBA Compatibility

	LPE11002	LPE1150	LPE12000	LPE12002	QLE220	QLE2460	QLE2462	QLE2560	QLE2562	BR825	BR815
PV NX200	X	X				X	X				
PV NX300	X	X	X	X	X	X	X	X	X	X	X
PV NX3000	X	X	X	X	X	X	X	X	X	X	X
PV NX3100	X	X	X	X	X	X	X	X	X	X	X
PV DL2100	X	X	X	X	X	X	X	X	X	X	X
PV DL2200	X	X	X	X	X	X	X	X	X	X	X

 **NOTE:** Brocade models BR815 & BR825 do not support direct attach to tape drive.

Dell PowerVault System and SAN Storage Compatibility

		Compellent Series 40	EqualLogic PS6xxx
ML6000	PowerVault LTO4-120 IBM SAS		X
	PowerVault LTO5-140 IBM SAS FH		X
	PowerVault LTO6 IBM SAS		X
	PowerVault LTO3 FC	X	
	PowerVault LTO4-120 FC	X	
	PowerVault LTO5-140 IBM FC FH	X	
	PowerVault LTO6 IBM FC	X	
TL2000/4000	PowerVault LTO3 FC	X	
	PowerVault LTO4-120 FC	X	
	PowerVault LTO4-120HH IBM FC	X	
	PowerVault LTO5-140 IBM FC	X	
	PowerVault LTO6-HH IBM FC	X	
TL2000/4000 (note1)	PowerVault LTO3-060 IBM SAS/iSCSI	X	X
	PowerVault LTO4-120 IBM SAS/iSCSI	X	X
	PowerVault LTO4-120HH IBM SAS/iSCSI	X	X
	PowerVault LTO5-140 IBM SAS/iSCSI	X	X
	PowerVault LTO6-HH IBM SAS/iSCSI	X	X

 **NOTE:** iSCSI is achieved via the TL2/4-iSCSIxSAS 1Gb iSCSI to a SAS bridge card

Dell Software & Peripheral Products

Dell Software and Peripheral (S&P) products listed are available through the [Dell Software and Peripherals](#) website. Limited testing has been performed on each S&P product and the listed Dell PowerVault System; however, the S&P products have not been certified in Dell PowerEdge servers.

Dell Storage & Peripherals USB 3.0 Host Bus Adapters

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
Belkin 2-Port PCI Express USB 3.0	External	PowerVault RD1000 Ext USB
	PV114X	PowerVault RD1000 Rack USB
StarTech 2-Port PCI Express USB 3.0	External	PowerVault RD1000 Ext USB
	PV114X	PowerVault RD1000 Rack USB

Backup Software Compatibility

Vendor	Application	Version	Compatibility List
Symantec	Backup Exec	2012	Hardware
			Software
		2010 R2 R3	Hardware
			Software
		12.5	Hardware
			Software
CommVault	Simpana	9 8	Hardware
Computer Associates	Arcserve	16	Hardware
			Software
		15	Hardware
			Software
Microsoft	*Data Protection Manager	2010 2007	Hardware
		2012	Hardware

Quest	NetVault	8.5	Hardware/Software**
		9	
IBM	Linear Tape File System - Single drive Edition (LTFS-SDE)	2.2.x	PowerVault LTO5 & LTO6
			PowerVault 114X LTO5 & LTO6
IBM	Linear Tape File System - Library Edition (LTFS-LE)	2.1.4	PowerVault TL1000/2000/4000 ML6000
Retrospect	Retrospect 8	8.1.266	Hardware

* All Dell Tape drives supported in Data Protection Manager 2007 are supported in Data Protection Manager 2010.

**Compatibility documents found under Technical Briefs section

Linear Tape File System Single Drive Edition (LTFS-SDE) Compatibility

The LTFS SDE software allows the media in the tape drive to be presented to the file system like disk with a drive letter. Users can easily drag and drop data onto the tape media without the need for additional tape backup software.

	LTO3	LTO4	LTO5	LTO6
PowerVault	N/A	N/A	SDE	SDE
PowerVault 114X	N/A	N/A	SDE	SDE

- **Additional Information:** <http://pic.dhe.ibm.com/infocenter/ltfs/cust/index.jsp>
- **Software Download:** <http://www.ibm.com/support/fixcentral>
 - Use Find Product tab and enter LTFS Single Drive Edition for the Product Selector



NOTE: IBM requires customer registration prior to download.

Linear Tape File System Library Edition (LTFS LE) Compatibility

The IBM® LTFS LE software creates a drive letter in the file system once LTFS is mounted. Each cartridge in the logical library assigned to the drive letter shows up as a directory under the drive letter. You can drag and drop data to the directories and create directories as needed for your specific needs.

	LTO3	LTO4	LTO5	LTO6
PowerVault TL1000, TL2000, TL4000	N/A	N/A	LE	LE
PowerVault ML6000	N/A	N/A	LE	LE





- **Additional Information:** <http://pic.dhe.ibm.com/infocenter/ltfsle/cust/index.jsp>.
- **Software Purchase:** <http://www-03.ibm.com/systems/storage/tape/ltfs/index.html>

Other countries and languages can be selected from www.ibm.com. Customers may need to search for "LTFS LE" to locate the local link.

Dell customers will purchase the IBM LTFS LE software directly from IBM. Dell customers with existing IBM sales relationships can purchase through their IBM sales representative.

Media Compatibility





LTO Drives







Drive Type	Media Type	Capacity Native	Media Compatibility	Cleaning Cartridge	General
LTO Gen1	LTO Ultrium 1 (Black) 	100 GB	LTO5: Unsupported LTO4: Unsupported LTO3: Unsupported LTO2: Unsupported LTO1: Read & Write	LTO Universal Cleaning cartridge (Black) 	
LTO Gen2	LTO Ultrium 2 (Purple) 	200 GB	LTO5: Unsupported LTO4: Unsupported LTO3: Unsupported LTO2: Read & Write LTO1: Read & Write	LTO Universal Cleaning cartridge (Black) 	

LTO Gen 3	<p>LTO Ultrium 3 (Blue)</p> 	400 GB	<p>LTO5: Unsupported</p> <p>LTO4: Unsupported</p> <p>LTO3: Read & Write</p> <p>LTO2: Read & Write</p> <p>LTO1: Read Only</p>	<p>LTO Universal Cleaning cartridge (Black)</p> 	<p>Supports WORM - Write Once, Read Many</p> <p>LTO Ultrium 3 WORM</p> 
LTO Gen 4	<p>LTO Ultrium 4 (Green)</p> 	800 GB	<p>LTO5: Unsupported</p> <p>LTO4: Read & Write</p> <p>LTO3: Read & Write</p> <p>LTO2: Read Only</p> <p>LTO1: Unsupported</p>	<p>LTO Universal Cleaning cartridge (Black)</p> 	<p>Supports WORM - Write Once, Read Many</p> <p>LTO Ultrium 4 WORM</p> 

LTO Gen 5	<p>LTO Ultrium 5 (Maroon)</p> 	1.5 TB	<p>LTO5: Read & Write</p> <p>LTO4: Read & Write</p> <p>LTO3: Read Only</p> <p>LTO2: Unsupported</p> <p>LTO1: Unsupported</p>	<p>LTO Universal Cleaning cartridge (Black)</p> 	<p>Supports WORM - Write Once, Read Many</p> <p>LTO Ultrium 5 WORM</p> 
LTO Gen 6	<p>LTO Ultrium 6 (Black)</p> 	2.5TB	<p>LTO6: Read & Write</p> <p>LTO5: Read & Write</p> <p>LTO4: Read Only</p> <p>LTO3,2,1: Unsupported</p>	<p>LTO Universal Cleaning cartridge (Black)</p> 	<p>Supports WORM - Write Once, Read Many</p> <p>LTO Ultrium 6 WORM</p>





DLT/VS Drives

Drive Type	Media Type/Color	Capacity Native	Backward Media Compatibility	Cleaning Module/Color	General
110T DLT4000	DLT Tape IV/Dark brown 	20 GB	n/a	DLT Cleaning Media III/Cream 	1/2" linear tape
110T DLT7000	DLT Tape IV/Dark brown 	35 GB	Reads DLT Tape IV media written by DLT 4000 drive	DLT Cleaning Media III/Cream 	1/2" linear tape


<p>DLT 8000</p>	<p>DLT Tape IV/Dark brown</p> 	<p>40 GB</p>	<p>Reads DLT Tape IV media written by DLT 7000 or DLT 4000 drives</p>	<p>DLT Cleaning Media III/Cream</p> 	<p>1/2" linear tape</p>
<p>110T DLT1 and 110T DLT VS80</p>	<p>DLT Tape IV/Dark brown</p> 	<p>40 GB</p>	<p>Reads DLT Tape IV media written by DLT 4000 drive</p>	<p>DLT VS Cleaning Media/Brown</p> 	<p>DLT1 and DLT VS80 are the same drive with the exception of the VS80 form factor being half height</p>
<p>110T DLT VS160</p>	<p>DLT VS1/Off-white</p> 	<p>80 GB</p>	<p>Reads DLT Tape IV media written by VS80 or DLT1 drives</p>	<p>VS160 Cleaning Media/Off-white</p> 	

<p>110T SDLT 220</p>	<p>SDLT Tape I/Green</p> 	<p>110 GB</p>	<p>Reads DLT Tape IV media written by DLT 8000, DLT 7000, DLT 4000, or DLT1/VS18 0 drives</p>	<p>SDLT Cleaning Media/Off-white</p> 	<p>SDLT 220 requires new SDLT media</p>
<p>110T SDLT 320</p>	<p>SDLT Tape 1/Green</p> 	<p>160 GB</p>	<p>Reads DLT Tape IV media written by DLT 8000, DLT 7000, DLT 4000, or DLT1/VS18 0 drives</p>	<p>SDLT Cleaning Media/Off-white</p> 	<p>SDLT 320 uses the same media as SDLT 220</p>


DDS/DAT Drives

Drive Type	Media Type	Capacity Native	Backward Media Compatibility	Cleaning Module	General
100T DDS4	DDS4/Black 	20 GB	Reads/writes DDS3, DDS2, and DDS1 media written by DDS3, DDS2, or DDS1 drives	DDS Cleaning Media/Black 	4 MM helical tape
100T DAT72	DAT72/Black 	36 GB	Reads/writes DDS4 and DDS3 media written by DDS4 or DDS3 drives	DDS Cleaning Media/Black 	4 MM helical tape

Travan Drives

Drive Type	Media Type/Color	Capacity Native	Backward Media Compatibility	Cleaning Module	General
Travan 100T TR5	Travan 20	10 GB	n/a	Dry Process Head Cleaning Cartridge	
Travan 100T TR40	Travan 40/Black 	20 GB	Reads Travan 20 media written by TR5 drive	Dry Process Head Cleaning Cartridge	

RD1000 Drives

Drive Type	Media Type/Color	Capacity Native	Backward Media Compatibility	Cleaning Module	General
Removable Hard Drive	SATA based hard drive. Hard drive in cartridge enclosure. 	40GB 80GB 120GB 160GB 320GB 500GB 640GB 750GB 1TB 1.5TB	All RD1000 cartridges are interchangeable with RD1000 SATA and USB drive bays.	None needed	All RD1000 cartridges are interchangeable with RD1000 SATA and USB drive bays.


Firmware and Drivers

Dell PowerVault Tape Drives and Removable Hard Drives – Firmware

PowerVault Tape Drive Name	Firmware Revision	Firmware Release Date	Tape Drive Platform
Powervault 100T DAT72	A16J	17-Apr-09	Standalone
PowerVault 110T LTO2-LC	1914	03-May-10	PV124T
	1914	13-Dec-06	Standalone
	1914	13-Dec-06	PV114T
Powervault 110T LTO-3 FH	93GP	07-Jun-13	PV124T
	93GP	15-Mar-11	TL2000/4000
	93GP	07-Jun-13	ML6000
	93GP	15-Mar-11	PV114T
	93GP	15-Mar-11	Standalone
PowerVault LTO3 FC	93GP	06-Jul-13	ML6000
	93GP	15-Mar-11	TL2000/4000
PowerVault LTO3-060 IBM	93GQ	15-Mar-11	TL2000/4000
	93GQ	15-Mar-11	PV114X
	93GQ	07-Jun-13	PV124T
	93GQ	15-Mar-11	Standalone
PowerVault LTO3-080 IBM SAS V2	E6Q3	28-Aug-13	Standalone
	E6Q3	28-Aug-13	PV114X
	D8D3	9-Dec-13	PV124T
	E6Q3	28-Aug-13	TL2000/4000
PowerVault LTO3-060 QTM	2183	07-Jan-10	PV114T
	2183	07-Jan-10	PV124T
PowerVault LTO3-060 QTM SAS	2183	07-Jan-10	PV114T
	2183	03-May-10	PV124T
PowerVault LTO4-120 FC	C7QH	31-May-13	TL2000/4000
	C7QH	06-Jul-13	ML6000
PowerVault LTO4-120 IBM SAS	C7QH	31-May-13	TL2000/4000
	C7QH	06-Jul-13	PV124T
	C7QH	22-Mar-13	Standalone
	C7QH	06-Jul-13	ML6000
PowerVault LTO4-120HH IBM	C7QJ	31-May-13	TL2000/4000
	C7Q1	12-Sep-12	PV114X
	C7Q1	12-Sep-12	Standalone

PowerVault LTO4-120HH IBM V2	E6Q3	28-Aug-14	Standalone
	E6Q3	28-Aug-14	PV114X
	D8D3	9-Dec-13	PV124T
	E6Q3	16-Dec-13	TL2000/4000
	E6Q3	28-Aug-14	TL1000
PowerVault LTO4-120HH QTM	2210	03-May-10	PV124T
	2210	07-Jan-10	PV114T
PowerVault LTO5-140 IBM SAS	E6Q3	28-Aug-14	Standalone
	E6Q3	28-Aug-14	PV114X
	E6Q3	28-Aug-14	TL2000/4000
	E6Q3	28-Aug-14	TL1000
PowerVault LTO5-140 IBM FC	E6Q3	28-Aug-14	TL2000/4000
	E6Q3	28-Aug-14	TL1000
PowerVault LTO5-140 IBM SAS FH	E6Q0	28-Aug-14	ML6000
PowerVault LTO5-140 IBM FC FH	E6Q0	28-Aug-14	ML6000
PowerVault LTO5-140 QTM SAS	E320	07-Jun-13	PV124T
PowerVault LTO6-HH IBM SAS	E6R3	28-Aug-14	Standalone
	E6R3	28-Aug-14	PV114X
	E6R3	28-Aug-14	TL2000/4000
	E6R3	28-Aug-14	TL1000
	D8E3	9-Dec-13	PV124T
PowerVault LTO6-HH IBM FC	E6R3	28-Aug-14	TL2000/4000
	E6R3	28-Aug-14	TL1000
PowerVault LTO6-FH IBM FC	E6R0	28-Aug-14	ML6000
PowerVault LTO6-FH IBM SAS	E6R0	28-Aug-14	ML6000
PowerVault RD1000 Ext USB 2.0	2039	24-Feb-14	Standalone
PowerVault RD1000 Ext USB 3.0	4121	24-Feb-14	Standalone
PowerVault RD1000 Int SATA	0056	19-May-14	Standalone
PowerVault RD1000 Rack USB 2.0	3039	24-Feb-14	PV114X
PowerVault RD1000 Rack USB 3.0	4121	24-Feb-14	PV114X

PowerVault Tape Drive Name	Driver Version	Driver Release Date	Driver Release Number	Driver OS Support						
				WS2000	WS2003 x86	WS2003 x64	WS2008	WS2008 R2	2012	2012R2
PowerVault 100T DAT72	1.11.0.0	31-Mar-05	R97405	Yes	Yes	Yes	Yes	Yes	INBOX	INBOX
PowerVault 110T LTO2-LC	3.4.0.0	16-Jun-08	R189790	No	No	No	Yes	Yes	INBOX	INBOX
	3.1.2.0	14-Aug-07	R164478	Yes	Yes	Yes	No	No		
PowerVault 110T LTO2-LT	1.0.0.2	01-Nov-05	R111989	Yes	Yes	Yes	No	No	INBOX	INBOX
PowerVault 110T LTO-3 FH	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.0.6.8	06-Apr-05	R97945	Yes	Yes	Yes	No	No		
PowerVault LTO3 FC	INBOX	01-Jan-08	INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.1.8.0	18-Aug-09	R267429	No	Yes	Yes	No	No		
PowerVault LTO3-060 IBM	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.1.8.9	18-Nov-08	R203755	Yes	Yes	Yes	No	No		
PowerVault LTO3-080 IBM SAS V2	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.1.8.9	18-Nov-08	R203755	Yes	Yes	Yes	No	No		
PowerVault LTO3-060 QTM	3.4.0.0	31-Jan-08	R177912	No	No	No	Yes	Yes	INBOX	INBOX
	3.1.2.0	31-Jan-08	R177912	No	Yes	Yes	No	No		
PowerVault LTO3-060 QTM SAS	3.4.0.0	16-Jun-08	R177948	No	Yes	Yes	Yes	Yes	INBOX	INBOX
PowerVault LTO3-060 TBRG	1.6.0.0	31-Jan-08	R177952	No	Yes	Yes	Yes	No	INBOX	INBOX
PowerVault LTO4-120 FC	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.1.8.0	18-Aug-09	R267429	No	Yes	Yes	No	No		
PowerVault LTO4-120 IBM SAS	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.0.6.83	17-Apr-07	R149738	No	Yes	Yes	No	No		
PowerVault LTO4-120HH IBM	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.0.6.85	11-Oct-07	R169162	No	Yes	Yes	No	No		
PowerVault LTO4-120HH IBM V2	INBOX		INBOX	No	No	No	INBOX	INBOX	INBOX	INBOX
	6.0.6.85	11-Oct-07	R169162	No	Yes	Yes	No	No		
PowerVault LTO4-120HH QTM	3.4.0.0	14-Jul-08	R192707	No	Yes	Yes	Yes	Yes	INBOX	INBOX
PowerVault LTO5-140 IBM SAS	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault LTO5-140 IBM FC	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault LTO5-140 IBM SAS FH	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault LTO5-140 IBM FC FH	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault LTO5-140 QTM SAS	3.5.3.1	03-May-10	R276613	No	Yes	Yes	Yes	Yes	INBOX	INBOX
PowerVault LTO6-HH IBM SAS	INBOX		INBOX				INBOX*	INBOX*	INBOX	INBOX
PowerVault LTO6-FH IBM FC	INBOX		INBOX				INBOX*	INBOX*	INBOX	INBOX
PowerVault LTO6-FH IBM SAS	INBOX		INBOX				INBOX*	INBOX*	INBOX	INBOX
PowerVault RD1000 Ext USB	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault RD1000 Ext USB 3.0	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault RD1000 Int SATA	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault RD1000 Rack USB	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PowerVault RD1000 Rack USB 3.0	INBOX		INBOX	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX

 If the driver for your device is listed as **INBOX**, then the driver is already available with the operating system and there is no need to download a separate driver.

 *Requires Microsoft Hotfix: <http://support.microsoft.com/kb/2619836>

Dell PowerVault Autoloaders and Libraries - Firmware and Drivers

PowerVault Product Name	Latest Firmware Version	Firmware Release Date	Latest Driver Version	Driver Release Date	Driver OS Support							
					WS2000	WS2003 x86	WS2003 x64	WS2008	WS2008 R2	2012	2012R2	
TL1000	0034-3000	28-Aug-14	v6.2.4.5	16-Dec-13	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
TL2000/4000	C.30	16-Dec-13	v6.2.4.5	16-Dec-13	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PV124T	V91	28-Aug-14	2.6.2.0	15-Mar-11	Yes	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
ML6000	640G.GS007	09-Dec-13	7.5.2.0	17-May-10	No	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX	INBOX
PV136T	4.60.05 (SNC Gen 2)	28-May-09	7.0.0.0	25-Jul-05	No	Yes	Yes	No	No	No	No	No
	4.25.04 (SNC Gen 1)											
	3.37.0001 (Library)											
	193D.00002 (Rmt Mgt Crd)											
PV132T	4.50.03 (SNC)	28-May-09	6.0	25-Jul-05	No	Yes	Yes	No	No	No	No	No
	310D.GY004 (LTO)											
	231D.GZ001 (SDLT)											
	210F.00002 (Rmt Mgt Card)											

Dell PowerVault System Storage and HP Server HBA Compatibility

HP HBAs are not certified in Dell servers. See the HP website for information on server/HBA compatibility.

Host Bus Adapter	Dell PowerVault™ System	Dell Tape Backup Unit
External USB	External	PowerVault RD1000 Ext USB
	PV114X	PowerVault RD1000 Rack USB
HP SC11Xe	External	Powervault 100T DAT72
		PowerVault 110T LTO2-LT
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	Powervault 110T LTO-3 FH
	PV114T	Powervault 100T DAT72
		PowerVault 110T LTO2-LC

		PowerVault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		PowerVault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	TL2000/4000	PowerVault 110T LTO-3 FH
HP SC44Ge	External	PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV114T	PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO4-120HH QTM
		PowerVault LTO5-140 QTM
	TL2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	PV114X	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
PowerVault LTO5-140 IBM SAS		
HP Single Channel U320 PCI-X HBA	External	PowerVault 100T DAT72
		PowerVault 110T LTO2-LT
		PowerVault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	PowerVault 110T LTO-3 FH
	PV114T	PowerVault 100T DAT72

		PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	TL2000/4000	Powervault 110T LTO-3 FH
HP StorageWorks Dual Channel U320 SCSI HBA	External	Powervault 100T DAT72
		PowerVault 110T LTO2-LT
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	Powervault 110T LTO-3 FH
	PV114T	Powervault 100T DAT72
		PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
PowerVault LTO3-060 QTM		
TL2000/4000	Powervault 110T LTO-3 FH	
HP 81E	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP 81Q	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP 82E	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP 82Q	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC1142SR	ML6000	PowerVault LTO3 FC

		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC1242SR	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC2142SR	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC2242SR	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC1143	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC1243	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC2143	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
HP FC2243	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
Any 1GbE (or faster) NIC	TL2000/4000	PowerVault LTO3-060 IBM SAS/iSCSI
		PowerVault LTO4-120 IBM SAS/iSCSI
		PowerVault LTO4-120HH IBM SAS/iSCSI

Dell PowerVault System Storage and IBM Server HBA Compatibility

IBM HBAs are not certified in Dell servers. See the IBM website for information on server/HBA compatibility.

Host Bus Adapter	Dell PowerVault™ System	Dell Tape Backup Unit
External USB	External	PowerVault RD1000 Ext USB
	PV114X	PowerVault RD1000 Rack USB
IBM DS4000 FC 4Gbps PCI-X Dual Port HBA	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM DS4000 FC 4Gbps PCI-X Single Port HBA	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM Emulex 4 Gbps FC Single-Port PCI-e HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM Emulex 4Gbps FC Dual-Port PCI-e HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM Qlogic 4Gb FC Dual-Port PCIe HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM Qlogic 4Gb FC Single-Port PCIe HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM SMB 2-Gbps Fibre Channel HBA	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
IBM Ultra320 SCSI PCIe Controller	External	PowerVault 100T DAT72
		PowerVault 110T LTO2-LT
		PowerVault 110T LTO-3 FH

		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	Powervault 110T LTO-3 FH
	PV114T	Powervault 100T DAT72
		PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	TL2000/4000	Powervault 110T LTO-3 FH
IBM Ultra320 SCSI PCI-X Controller	External	Powervault 100T DAT72
		PowerVault 110T LTO2-LT
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 IBM
		PowerVault LTO3-060 TBRG
	ML6000	Powervault 110T LTO-3 FH
	PV114T	Powervault 100T DAT72
		PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
		PowerVault LTO3-060 QTM
	PV124T	PowerVault 110T LTO2-LC
		Powervault 110T LTO-3 FH
PowerVault LTO3-060 QTM		
TL2000/4000	Powervault 110T LTO-3 FH	
Any 1GbE (or faster) NIC	TL2000/4000	PowerVault LTO3-060 IBM SAS/iSCSI
		PowerVault LTO4-120 IBM SAS/iSCSI
		PowerVault LTO4-120HH IBM SAS/iSCSI
IBM SAS HBA - 25R8060	External	PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV114T	PowerVault LTO4-120HH QTM
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO4-120HH QTM
	PowerVault LTO5-140 QTM	
TL2000/4000	PowerVault LTO3-060 IBM SAS	
	PowerVault LTO3-080 IBM SAS V2	

		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	PV114X	PowerVault LTO3-060 IBM SAS
	PV114X	PowerVault LTO3-080 IBM SAS V2
	PV114X	PowerVault LTO4-120HH IBM
	PV114X	PowerVault LTO4-120HH IBM V2
	PV114X	PowerVault LTO5-140 IBM SAS
IBM SAS HBA - 44E8700	External	PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 QTM
	TL2000/4000	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	PV114X	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
PowerVault LTO4-120HH IBM		
PowerVault LTO4-120HH IBM V2		
PowerVault LTO5-140 IBM SAS		
IBM SAS HBA - 46M0907	External	PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	ML6000	PowerVault LTO4-120 IBM SAS
		PowerVault LTO5-140 IBM SAS FH
	PV124T	PowerVault LTO3-060 IBM SAS
		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM V2
	TL2000/4000	PowerVault LTO5-140 QTM
		PowerVault LTO3-060 IBM SAS

		PowerVault LTO3-080 IBM SAS V2
		PowerVault LTO4-120 IBM SAS
		PowerVault LTO4-120HH IBM
		PowerVault LTO4-120HH IBM V2
		PowerVault LTO5-140 IBM SAS
	PV114X	PowerVault LTO3-060 IBM SAS
	PV114X	PowerVault LTO3-080 IBM SAS V2
	PV114X	PowerVault LTO4-120HH IBM
	PV114X	PowerVault LTO4-120HH IBM V2
	PV114X	PowerVault LTO5-140 IBM SAS
42D0405 / 42D0407 IBM Emulex 4 Gps FC single/Dual-Port PCI-X HBA for System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC
42D0485 / 42D0494 IBM Emulex 8Gps FC single/Dual-Port PCI-X HBA for System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC
42D0501 / 42D0510 Qlogic 8Gb FC Single/Dual-port HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC
46M6049 / 46M6050 Brocade 8Gb FC Single/Dual-port HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
	TL2000/4000	PowerVault LTO6 IBM FC
		PowerVault LTO3 FC
		PowerVault LTO4-120 FC

		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC
59Y1987 / 59Y1993 Brocade 4Gb FC Single/Dual-port HBA for IBM System x	ML6000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO3 FC
		PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
81Y1668 / 81Y1675 Brocade 16Gb FC Single/Dual-port HBA for IBM System x	ML6000	PowerVault LTO6-HH IBM FC
		PowerVault LTO4-120 FC
		PowerVault LTO5-140 IBM FC FH
		PowerVault LTO6 IBM FC
	TL2000/4000	PowerVault LTO4-120 FC
		PowerVault LTO4-120HH IBM FC
		PowerVault LTO5-140 IBM FC
		PowerVault LTO6-HH IBM FC

Note1: Must use a 32K block size due to known issue

IBM AIX and HP HP-UX Compatibility Matrix

See the IBM/HP website for information on server-HBA compatibility.

AIX Versions 6.1 & 7.1		
Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
IBM FC 1905	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
		LTO5-140 FC
		LTO6-HH IBM FC
IBM FC 1910	TL2000 & TL400	LTO3 FC

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
		LTO5-140 FC
IBM FC 1977	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5273	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5276	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5716	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5735	TL2000 & TL400	LTO3 FC
		LTO4-120 FC

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
		LTO5-140 FC
IBM FC 5758	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5759	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5773	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5774	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5278	TL2000 & TL400	LTO3-060 SAS
		LTO3-080 SAS V2
		LTO4-120 SAS

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit	
		LTO4-120HH	
		LTO4-120HH V2	
		LTO5-140 SAS	
	ML6000		LTO4-120 IBM SAS
			LTO5-140 IBM SAS FH
	124T		LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
			LTO5-140 QTM
	IBM FC 5900	TL2000 & TL400	LTO3-060 SAS
			LTO3-080 SAS V2
LTO4-120 SAS			
LTO4-120HH			
LTO4-120HH V2			
LTO5-140 SAS			
ML6000			LTO4-120 IBM SAS
			LTO5-140 IBM SAS FH
124T			LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
	LTO5-140 QTM		
IBM FC 5901	TL2000 & TL400	LTO3-060 SAS	
		LTO3-080 SAS V2	
		LTO4-120 SAS	
		LTO4-120HH	
		LTO4-120HH V2	
		LTO5-140 SAS	
	ML6000		LTO4-120 IBM SAS
			LTO5-140 IBM SAS FH
	124T		LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
LTO5-140 QTM			

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit	
IBM FC 5912	TL2000 & TL400	LTO3-060 SAS	
		LTO3-080 SAS V2	
		LTO4-120 SAS	
		LTO4-120HH	
		LTO4-120HH V2	
		LTO5-140 SAS	
	ML6000	LTO4-120 IBM SAS	
		LTO5-140 IBM SAS FH	
	124T	LTO3-060 IBM SAS	
		LTO3-080 IBM SAS V2	
		LTO4-120 IBM SAS	
		LTO4-120HH IBM V2	
		LTO5-140 QTM	
	IBM FC 1905	TL2000 & TL400	LTO3 FC
			LTO4-120 FC
LTO4-120-HH FC			
LTO5-140 FC			
ML6000		LTO3 FC	
		LTO4-120 FC	
		LTO5-140 FC	
IBM FC 1910	TL2000 & TL400	LTO3 FC	
		LTO4-120 FC	
		LTO4-120-HH FC	
		LTO5-140 FC	
	ML6000	LTO3 FC	
		LTO4-120 FC	
		LTO5-140 FC	
IBM FC 1977	TL2000 & TL400	LTO3 FC	
		LTO4-120 FC	
		LTO4-120-HH FC	
		LTO5-140 FC	
	ML6000	LTO3 FC	
		LTO4-120 FC	
		LTO5-140 FC	
IBM FC 5273	TL2000 & TL400	LTO3 FC	
		LTO4-120 FC	

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
		LTO5-140 FC
IBM FC 5276	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5716	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5735	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5758	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5759	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit
	ML6000	LTO5-140 FC
		LTO3 FC
		LTO4-120 FC
		LTO5-140 FC
IBM FC 5773	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5774	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
IBM FC 5278	TL2000 & TL400	LTO3-060 SAS
		LTO3-080 SAS V2
		LTO4-120 SAS
		LTO4-120HH
		LTO4-120HH V2
		LTO5-140 SAS
	ML6000	LTO4-120 IBM SAS
		LTO5-140 IBM SAS FH
	124T	LTO3-060 IBM SAS
		LTO3-080 IBM SAS V2
		LTO4-120 IBM SAS
		LTO4-120HH IBM V2
LTO5-140 QTM		
IBM FC 5900	TL2000 & TL400	LTO3-060 SAS
		LTO3-080 SAS V2
		LTO4-120 SAS
		LTO4-120HH
		LTO4-120HH V2

Host Bus Adapter	Dell PowerVault System	Dell Tape Backup Unit	
	ML6000	LTO5-140 SAS	
		LTO4-120 IBM SAS	
		LTO5-140 IBM SAS FH	
	124T		LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
			LTO5-140 QTM
	IBM FC 5901	TL2000 & TL400	LTO3-060 SAS
			LTO3-080 SAS V2
LTO4-120 SAS			
LTO4-120HH			
LTO4-120HH V2			
LTO5-140 SAS			
ML6000			LTO4-120 IBM SAS
			LTO5-140 IBM SAS FH
124T			LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
			LTO5-140 QTM
IBM FC 5912		TL2000 & TL400	LTO3-060 SAS
			LTO3-080 SAS V2
	LTO4-120 SAS		
	LTO4-120HH		
	LTO4-120HH V2		
	LTO5-140 SAS		
	ML6000		LTO4-120 IBM SAS
			LTO5-140 IBM SAS FH
	124T		LTO3-060 IBM SAS
			LTO3-080 IBM SAS V2
			LTO4-120 IBM SAS
			LTO4-120HH IBM V2
			LTO5-140 QTM

HPUX Versions 11iv2 (11.23) & 11iv3 (11.31)

AB378A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AB378B	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AB379A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AB379B	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AH400A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		

AH401A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AH402A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AH403A	TL2000 & TL400	LTO3 FC
		LTO4-120 FC
		LTO4-120-HH FC
		LTO5-140 FC
	ML6000	LTO3 FC
		LTO4-120 FC
LTO5-140 FC		
AH303A	TL2000 & TL400	LTO3-060 SAS
		LTO3-080 SAS V2
		LTO4-120 SAS
		LTO4-120HH
		LTO4-120HH V2
		LTO5-140 SAS
	ML6000	LTO4-120 IBM SAS
		LTO5-140 IBM SAS FH
		124T
	LTO3-080 IBM SAS V2	
	LTO4-120 IBM SAS	
	LTO4-120HH IBM V2	
	LTO5-140 QTM	

NOTE: Additional drivers may be obtained from the following link: <https://www-304.ibm.com/support/docview.wss?rs=577&uid=ssg1S7002972&wv=1>

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