



# Dell™ PowerVault™ Data Protection Solution Support Matrix

This document provides information about supported hardware and software versions for Dell™ PowerVault™ Data Protection Solutions.

## Supported Hardware

This section lists the hardware supported by PowerVault Data Protection Solutions. Where applicable, firmware and driver versions are also listed.

### PowerVault Platforms and Solutions

Table 1 lists the PowerVault Data Protection Solution, its hardware platform, and supported BIOS version.

**Table 1. PowerVault Platforms and Solutions**

Data Protection Solution	PowerVault Platform	BIOS Version Supported
DP100	PowerVault 100	A05 or later
DP500	PowerVault 500	2.0.1 or later
DP600	PowerVault 600	2.0.1 or later

### Hard Drives


Table 2 outlines the internal hard drive support.

**Table 2. Internal Hard Drive Support**

Data Protection Solution	Internal Hard Drive Support
DP100	Up to four 3.5-inch hot-swappable SATA hard drives
DP500	Up to six 3.5-inch hot-swappable SATA hard drives
DP600	Up to eight 3.5-inch hot-swappable SATA hard drives

### External Hard Drives

For a list of supported SATA drives, see the Dell PowerVault MD1000 Systems Support Matrix on [support.dell.com](http://support.dell.com)

 **NOTE:** PowerVault Data Protection Solutions support only SATA hot-swappable hard drives.

## RAID Adapters

Table 3 lists supported RAID adapters, supported firmware, and driver versions.

**Table 3. Supported RAID Adapters**

RAID Controller	PowerVault Data Protection Solution			Firmware Revision	Driver Revision
	DP100	DP500	DP600		
PERC 5/i	Yes	No	No	5.2.1-0062 or later	2.14.0.64 (64-bit) or later
PERC 6/i	No	Yes	Yes	6.0.1-0078 or later	2.14.0.64 (64-bit) or later
PERC 6/E	No	Yes	Yes	6.0.1-0078 or later	2.14.0.64 (64-bit) or later

## External Storage Enclosures

Table 4 lists supported external storage enclosures.

**Table 4. Supported Storage Enclosures**

Storage Enclosure	Firmware Revision	Platforms		
		DP100	DP500	DP600
PowerVaultMD1000	A04 or later	No	Yes	Yes

## Network Interface Controllers

Table 5 lists supported network interface controllers (NICs) and corresponding driver versions.

**Table 5. Supported Network Interface Controllers**

NIC	Driver Versions		
	DP100	DP500	DP600
Broadcom NetXtreme	version 10.5 or higher	version 10.5 or higher	version 10.5 or higher
Broadcom NetXtreme II	version 10.5 or higher	version 10.5 or higher	version 10.5 or higher
Intel PRO PCI-E Gigabit (2007)	version 10.0 or higher	version 10.0 or higher	version 10.0 or higher
Intel PCI-E 10Gigabit server adapters	N/A	version 10.1 or higher	version 10.5 or higher

## Tape Support



**NOTE:** See the *PowerVault Data Protection Solution Information Update* for important installation and usage information when using Dell-supported tape devices with DPM 2007.

### Dell PowerVault Tape Drives

For a list of Firmware and Driver versions that support the Data Protection Solution products, see the Dell PowerVault Compatibility Matrix on [support.dell.com](http://support.dell.com).

**Table 6. Supported Standalone Tape Drives**

Drive Type	Platform (I = Internal, E = External)					
	DP100		DP500		DP600	
	I	E	I	E	I	E
110T LTO-2-L (Tandberg)	No	Yes	No	Yes	Yes	Yes
110T LTO-3	No	Yes	No	Yes	Yes	Yes
LTO-3-060 (IBM)	No	No	No	No	Yes	No
LTO-3-060 (Tandberg)	No	Yes	No	Yes	Yes	Yes
LTO4-120 FH	No	No	No	Yes	Yes	Yes
LTO4-120 HH	No	No	No	Yes	Yes	Yes
100T DAT72	No	Yes	No	Yes	Yes	Yes

### PowerVault Dual Rackable Tape Drives

Table 7 lists supported dual rackable tape drives, firmware, and driver versions.

**Table 7. Supported Dual Rackable Tape Drives (Tape Enclosure 114T 2U)**

Drive Type	Platform		
	DP100	DP500	DP600
DAT72	Yes	Yes	Yes
LTO-2-L (Certance)	Yes	Yes	Yes
LTO-3 (IBM)	Yes	Yes	Yes
LTO-3-060 Quantum HH	Yes	Yes	Yes

### PowerVault Autoloaders

Table 8 lists supported autoloaders, associated tape drives, firmware, and driver versions.




**NOTE:** Autoloader firmware and drivers are contained in their respective tape drive firmware and driver bundles.

**Table 8. Supported Autoloader (124T Autoloader)**

Drive Type	Platform		
	DP100	DP500	DP600
LTO-2-LC	Yes	Yes	Yes
LTO-3	Yes	Yes	Yes

## PowerVault Tape Libraries

Table 9, Table 10, and Table 11 list supported tape libraries and associated tape drives.

 **NOTE:** Tape library firmware and drivers are contained in their respective tape drive firmware and driver bundles.

**Table 9. Supported Tape Library (Library Type 132T)**

Drive Type	Platform		
	DP100	DP500	DP600
LTO-2	Yes	Yes	Yes
LTO-3			

**Table 10. Supported Tape Library (Library Type TL2000/TL4000)**

Drive Type	Platforms		
	DP100	DP500	DP600
LTO-3 FH (SCSI & FC)	Yes <sup>1</sup>	Yes	Yes
LTO-3 HH (SAS)			
LTO-4 FH (SAS & FC)			
1 SAS not supported			

**Table 11. Supported Tape Library (Library Type ML6000)**

Drive Type	Platforms		
	DP100	DP500	DP600
LTO-3 FH (SCSI & FC)	Yes <sup>1</sup>	Yes	Yes
LTO-4 FH (SAS & FC)			
1 SAS not supported			

## Supported Software

This section lists supported operating systems and applications on PowerVault Data Protection Solutions.

### Supported Operating Systems


Table 12 lists the supported operating system versions.

**Table 12. Supported Operating Systems**

Operating System	PowerVault Data Protection Solution		
	DP100	DP500	DP600
Microsoft Windows Storage Server 2003 R2 Workgroup Edition x64 with SP2	Yes	No	No
Microsoft Windows Storage Server 2003 R2 Standard Edition x64 with SP2	No	Yes	Yes

## Supported Applications

Table 13 lists supported applications on the PowerVault Data Protection Solutions.

 **NOTE:** Microsoft System Recovery Tool (SRT) cannot be installed on your Dell Power Vault Data Protection Solution.

**Table 13. Supported Applications**

Applications	Versions
Microsoft System Center Data Protection Manager 2007	2.0.5820.0
Microsoft System Center Data Protection Manager 2007 Service Pack 1	2.0.8793.0
Dell™ OpenManage™ Server Administrator	5.3 or later
Dell PowerVault Data Protection Solution Configuration Wizard <b>NOTE:</b> Do not run Windows update on this system until you have successfully completed all steps of this wizard.	A00 or later
Symantec Endpoint Protection Small Business Edition <b>NOTE:</b> If the firewall option in Symantec Endpoint Protection Small Business Edition is installed, open TCP port 445 along with the required ports for DPM 2007 documented in Deploying System Center Data Protection Manager 2007.	11.0

## Microsoft Hotfixes


Table 14 lists required Microsoft hotfixes for PowerVault Data Protection Solutions.

**Table 14. Supported Microsoft Hotfixes**

Microsoft Hotfixes	Knowledge Base Article Number	Version	Location
PowerShell 1.0	926139	Windows Server 2003, x64	support.microsoft.com
PowerShell MUI Pack	926141	Windows Server 2003, x64	support.microsoft.com
VSS Hotfix KB940349	940349	Windows Server 2003, x64	support.microsoft.com

## Supported Third-Party Backup Software

Table 15 lists backup software supported on PowerVault Data Protection Solutions.

 **NOTE:** To determine if a third-party software application on a protected server is compatible with and supported by the Data Protection Manager, contact the independent software vendor (ISV) distributing the application or software solution.

**Table 15. Supported Backup Software**

Software	Version	Supported Agents
CommVault Galaxy Express	6.1 SP4	
	7.0 SP1	Microsoft Windows File System
CommVault Galaxy	6.1 SP4	iDataAgent
	7.0 SP1	
Symantec Backup Exec	11d	Backup Exec 11d Agent for Windows Systems

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