

HP StorageWorks direct-attach tape solutions

Choose the right tape device for your needs.



HP value-added features

HP media—Your data deserves highly reliable, totally compatible HP media.

Drive type	Media capacity *	Data cartridge	Cleaning cartridge
DAT 24	24 GB	C5708A	C5709A
DAT 40	40 GB	C5718A	C5709A
DAT 72	72 GB	C8010A	C5709A
Ultrium 215	200 GB	C7971A	C7978A
Ultrium 232	200 GB	C7971A	C7978A
Ultrium 448	400 GB	C7972A	C7978A
Ultrium 460	400 GB	C7972A	C7978A
Ultrium 960	800 GB RW	C7973A	C7978A
Ultrium 960	800 GB WORM	C7973W	C7978A
SDLT 320	320 GB	C7980A	C7982A
SDLT 600	600 GB	Q2020A	C7982A
DLT VS80	80 GB	C5141F	C7998A
DLT VS160	160 GB	C8007A	C8016A

* All tape capacities quoted use a 2:1 compression ratio; this may vary since compression is data dependent.

HP One-Button Disaster Recovery (OBDR)—HP DAT tape drives come with HP One-Button Disaster Recovery, which provides the ability to restore systems quickly and effortlessly with the touch of a single button.

- OBDR offers fast and easy restore of the entire system.
- No need to search for software disks and manuals—OBDR creates a bootable tape to quickly restore the operating system, configuration, applications, drivers and data files.
- OBDR is great for server replication.
- Invoke a restore remotely with HP Remote Insight Lights-Out Edition (RILOE) on HP ProLiant servers.

HP StorageWorks Library and Tape Tools (L&TT)—The most comprehensive diagnostic tool in the industry, L&TT helps with installation, management and troubleshooting.

- Expansive: L&TT provides web-based smart firmware downloads, updates and notifications.
- Affordable: L&TT is a free download and deploys in less than five minutes.
- Simple: Intuitive user interface requires no training.

Backup software included

- A complete single-server license for HP OpenView Storage Data Protector software is included with all Ultrium and SDLT tape drives (ideal for enterprise customers).
- A complete single-server version of Yosemite TapeWare XE is included with all HP tape drives (ideal for SMB customers).

HP StorageWorks tape storage systems

Choose the right tape device.

Recommended HP StorageWorks tape drives for your HP ProLiant server			Tower servers							Rack servers							Storage servers								
			ML110 G2	ML150 G2	ML310 G2	ML330 G3	ML350 G4	ML370 G4	ML570 G3	DL140 G2	DL145 G2	DL320 G3	DL360 G4	DL380 G4	DL385 G1	DL560 G1	DL580 G3	DL585 G1	DL740 G1	DL760 G2	ML110 SS	ML350 SS	ML370 SS	DL100 SS	DL380 SS
Form factor	Part #																								
Entry-level																									
DAT 24 internal tape drive	Half	C1555D	5	5			4	4		R	R	R	R ⁴	R ⁴	R ⁴	R	R	R	R	5			R	R	R
DAT 24 external tape drive	Half	C1556D	5	5			4	4					4	4	4					5					
DAT 40 internal tape drive	Half	C5686B	5	5						R	R	R	R	R	R	R	R	R	R	5			R	R	R
DAT 40 external tape drive	Half	C5687C	5	5																5					
DAT 40 USB internal tape drive	Half	DW022A								R	R	R	R	R	R ⁶	R	R	R ⁶	R				R	R	R
DAT 40 USB external tape drive	Half	DW023A												6			6								
DAT 40 hot-plug tape drive (internal)	Half	Q1546A		1	1	1	1																		
DAT 72 internal tape drive	Half	Q1522A	5	5						R	R	R	R	R	R	R	R	R	R	5			R	R	R
DAT 72 external tape drive	Half	Q1523A	5	5																5					
DAT 72 USB internal tape drive	Half	DW026A								R	R	R	R	R	R ⁶	R	R	R ⁶	R				R	R	R
DAT 72 USB external tape drive	Half	DW027A												6			6								
DAT 72 hot-plug tape drive (internal)	Half	Q1529A		1	1	1	1																		
Mid-range																									
DIT VS80 internal tape drive (worldwide)	Half	337699-B21	5	5				2		R	R	R	R	R	R	R	R	R	R	5			R	R	R
DIT VS80 external tape drive (North America)	Half	337699-B22	5	5																5					
DIT VS80 external tape drive (international)	Half	337699-B31	5	5																5					
DIT VS160 internal tape drive (worldwide)	Half	A7569A	5	5				2		R	R	R	R	R	R	R	R	R	R	5			R	R	R
DIT VS160 external tape drive (North America)	Half	A7570A	5	5																5					
DIT VS160 external tape drive (international)	Half	A7571A	5	5																5					
Ultrium 215 internal tape drive	Half	Q1543A	5	5						R	R	R	R	R	R	R	R	R	R	5			R	R	R
Ultrium 215 external tape drive	Half	Q1545A	5	5																5					
Ultrium 232 internal tape drive	Half	DW064A	5	5						R	R	R	R	R	R	R	R	R	R	5			R	R	R
Ultrium 232 external tape drive	Half	DW065A	5	5																5					
Ultrium 448 internal tape drive	Half	DW016A	5	5						R	R	R	R	R	R	R	R	R	R	5			R	R	R
Ultrium 448 external tape drive	Half	DW017A	5	5																5					
Enterprise																									
SDLT 320 internal tape drive (worldwide)	Full	257319-B21	5	5					R	R	R	R	R	R	R	R	R	R	R	5			R	R	R
SDLT 320 external tape drive (North America)	Full	257319-001	5	5																5					
SDLT 320 external tape drive (international)	Full	257319-B31	5	5																5					
SDLT 320 external tape drive (Japan)	Full	257319-291	5	5																5					
SDLT 600 internal tape drive (worldwide)	Full	A7518A	5	5					R	R	R	R	R	R	R	R	R	R	R	5			R	R	R
SDLT 600 external tape drive (North America)	Full	A7519A	5	5																5					
SDLT 600 external tape drive (international)	Full	A7520A	5	5																5					
Ultrium 460 internal tape drive	Full	Q1518A	5	5					R	R	R	R	R	R	R	R	R	R	R	5			R	R	R
Ultrium 460 external tape drive	Full	Q1520A	5	5																5					
Ultrium 960 internal tape drive	Full	Q1538A	5	5					R	R	R	R	R	R	R	R	R	R	R	5			R	R	R
Ultrium 960 external tape drive	Full	Q1539A	5	5																5					

- Supported. For internal drives this includes internal and rack-mount.
- R Rack-mount only supported
- Recommended solutions for this server

- The 244059-B21—ML3xx 2-bay hot-plug SCSI drive cage must be installed.
- The 344257-B21—Full-height fan kit must be ordered for use in this configuration.
- Order the C7434A 68-pin HD to 68-pin VHDCI converter for this configuration. DL140, DL145 and blade servers are supported with HP automated backup solutions but are not supported with these tape products. See www.hp.com/go/connect for more support information.
- Requires a SCSI controller to operate internal DAT 24 (single-ended SCSI device) in G4 models of ProLiant ML350, ML370, DL360 and DL380 servers.
- Requires a SCSI controller to operate internal SCSI devices in the SATA and hot-plug SCSI models
- Requires a USB 2.0 controller to operate at USB 2.0 high speed.

HP StorageWorks tape storage systems

Choose the right tape device.

Recommended rack-mount kits and autoloaders for your HP ProLiant server

Form factor	Part #	Tower servers							Rack servers										Storage servers							
		ML110 G2	ML150 G2	ML310 G2	ML330 G3	ML350 G4	ML370 G4	ML570 G3	DL140 G2	DL145 G2	DL320 G3	DL360 G4	DL380 G4	DL385 G1	DL560 G1	DL580 G3	DL585 G1	DL740 G1	DL760 G2	ML110 SS	ML350 SS	ML370 SS	DL100 SS	DL380 SS	DL580 SS	
Rack-mount enclosures (1 drive installed)																										
1U Rack-Mount Kit with one DAT 72 drive (single internal drive installed, additional drive optional)	1U Rack	A7443A	5	5															5							
1U Rack-Mount Kit with one Ultrium 215 drive (single internal drive installed, additional drive optional)	1U Rack	A7444A	5	5															5							
1U Rack-Mount Kit with one Ultrium 448 drive (single internal drive installed, additional drive optional)	1U Rack	DW028A	5	5															5							
3U Rack-Mount Kit with one Ultrium 215 drive (single internal drive installed, additional drives optional)	3U Rack	350544-B21	5	5															5							
3U Rack-Mount Kit with one Ultrium 460 drive (single internal drive installed, additional drives optional)	3U Rack	350546-B21	5	5															5							
3U Rack-Mount Kit with one Ultrium 960 drive (single internal drive installed, additional drives optional)	3U Rack	Q1595A	5	5															5							
Rack-mount enclosures (no drives installed)																										
1U Rack-Mount Kit (no drives included, holds 2 internal half-height drives or 1 full-height drive)	1U Rack	A7445A	5	5															5							
3U Rack-Mount Kit (no drives included, holds 4 internal half-height drives or 2 full-height drives)	3U Rack	274338-B21	5	5															5							
5U Rack-Mount Kit (no drives included, holds 4 internal full-height drives)	5U Rack	274339-B21	5	5															5							
DAT autoloaders																										
DAT 72x6 Autoloader (internal)	Full	Q1566A	5	5															5							
DAT 72x6 Autoloader (external)	Full	Q1567A	5	5															5							
1/8 tape autoloaders																										
1/8 Ultrium 960 Tape Autoloader	2U	AF204A																								
1/8 Ultrium 448 Tape Autoloader	2U	AF203A																								
1/8 SDLT 320 Tape Autoloader	2U	AA926A																								
1/8 Ultrium 230 Tape Autoloader	2U	C9572CB																								
1/8 DLT VS80 Tape Autoloader	2U	C9264CB																								
SSL1016 tape autoloaders																										
SSL1016 Ultrium 460 Tape Autoloader	2U	330821-B21																								
SSL1016 SDLT 320 Tape Autoloader	2U	330816-B21																								

● Supported. For internal drives this includes internal and rack-mount.

R Rack-mount only supported

■ Recommended solutions for this server

¹ The 244059-B21—ML3xx 2-bay hot-plug SCSI drive cage must be installed.

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³ Order the C7434A 68-pin HD to 68-pin VHDCI converter for this configuration. DL140, DL145 and blade servers are supported with HP automated backup solutions but are not supported with these tape products. See www.hp.com/go/connect for more support information.

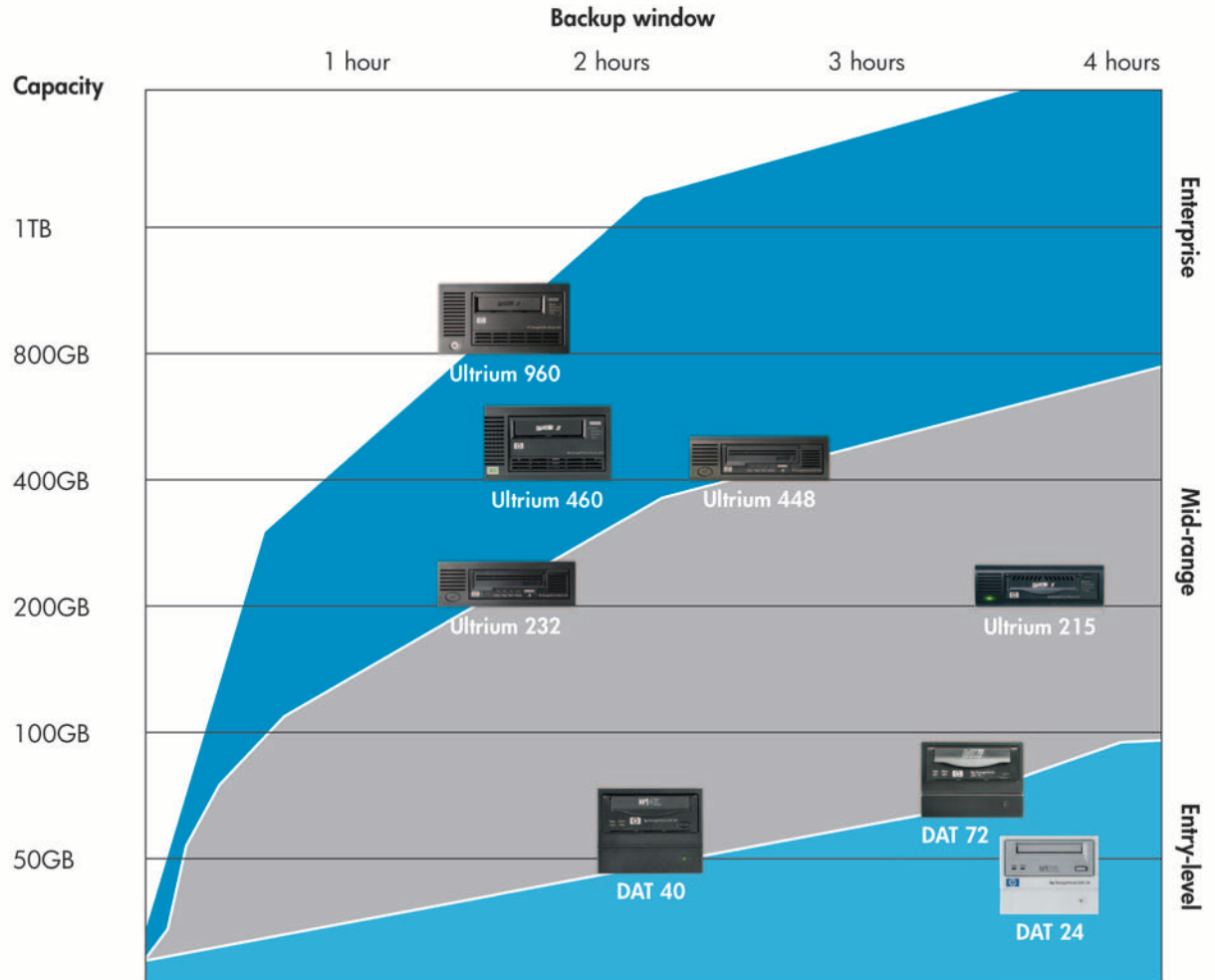
⁴ Requires a SCSI controller to operate internal DAT 24 (single-ended SCSI device) in G4 models of ProLiant ML350, ML370, DL360 and DL380 servers.

⁵ Requires a SCSI controller to operate internal SCSI devices in the SATA and hot-plug SCSI models

⁶ Requires a USB 2.0 controller to operate at USB 2.0 high speed.

HP StorageWorks direct-attach tape solutions

HP StorageWorks direct-attach tape solutions offer maximum capacity and optimal performance.



*Capacity and performance based on a 2:1 compression ratio.

**Backup Window calculation based on the time required to fill a single cartridge

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5982-9820EN Rev. 4, August 2005

For more information, visit www.hp.com/go/tape.

