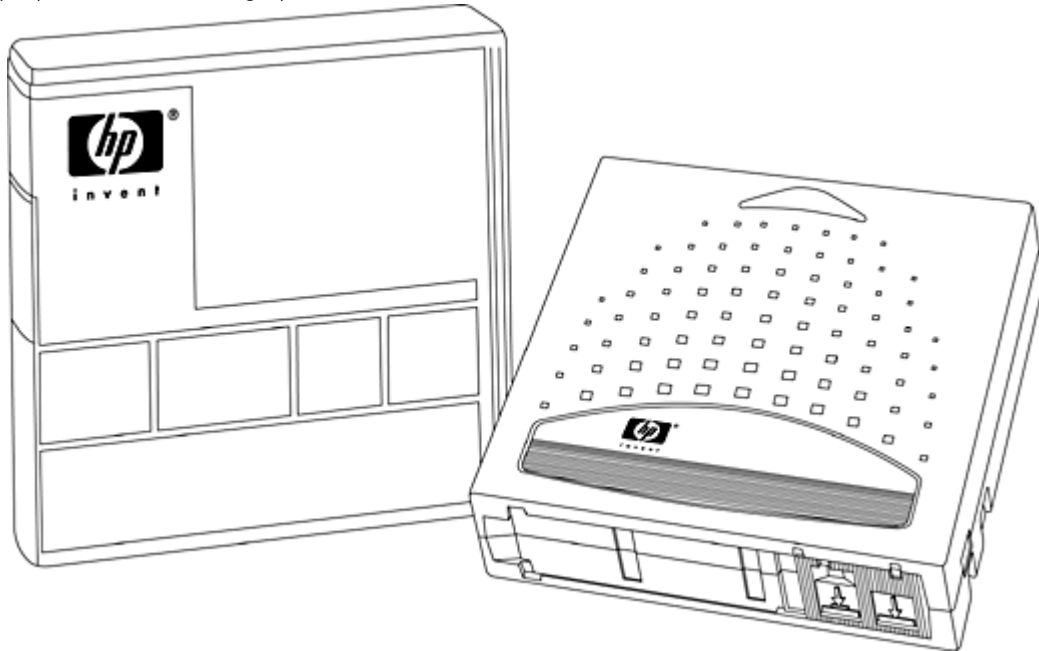


### Overview

HP SDLT storage media is ideally suited for data center and departmental backups where compatibility with existing DLT libraries, performance, and cost per megabyte are critical. HP DLT is ideal for mid-range to enterprise requiring reliable, high-capacity back up. DLT is the answer to the high-capacity storage and archiving needs of mid-range systems, network servers and high-end workstations.

Labeled Data Cartridges: Customers can order HP DLT IV, SDLT I and SDLT II data cartridges with Custom Labels attached (available in USA and Europe). Custom Labeled Data Cartridges ship in 20 packs. Minimum order quantity of 5 units or 100 data cartridges in Europe (5 units x 20 cartridges).



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Models		
	HP SDLT II 600GB Data Cartridge	Q2020A
	HP SDLT II 600GB Custom Labeled Data Cartridge (20 pk)	Q2020AL
	HP SDLT I 220/320 GB Data Cartridge	C7980A
	HP SDLT I Custom Labeled Data Cartridge (20pk)	C7980AL
	HP DLTtape VS1 160GB Data Cartridge	C8007A
	HP DLT IV 40/70/80GB Data Cartridge	C5141F
	HP DLT IV Custom Labeled Data Cartridge (20 pk)	C5141FL
	HP DLT Cleaning Cartridge	C5142A
	HP DLT1 Cleaning Cartridge	C7998A
	HP SDLT 1 Cleaning Cartridge	C7982A
	HP SDLT II Bar Code Labels	Q2006A
	HP SDLT I Bar Code Labels	Q2003A
	HP DLT Bar Code Labels	Q2004A

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## Overview

### Key Features & Benefits

- Performance: High-performance with reliable back up
- Capacities up to 80GB for DLT; 160GB for VS and 600GB for SDLT
- Limited Lifetime Warranty
- Up to 30 years archival life



### Product Highlights

#### Proven Reliability

HP ensures the highest level of quality with media specifications that far exceed industry standards. HP conducts tests on multiple batches of media using multiple drives to ensure performance in different environmental conditions, such as variations of high/low temperature and humidity. Changes in external conditions, which can easily occur when media is moved from different locations, can have a huge impact on error rate performance. Increased error rates jeopardize backup, and backup disruption jeopardizes business continuity. HP supports hardware warranty initiatives in the field with a vested interest in reducing all media-induced hardware issues. HP customers are many and varied; this is why HP specifies stringent durability and reliability metrics that the media must satisfy before it is good enough to bear the HP logo.

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#### DLT and VS Technology

DLT tape has been a leading technology in backup and archive storage for medium-sized business for almost a decade. Developed by Quantum Corporation, DLT technology offers high-performance, reliable backup at a great value. HP DLT tapes offer optimum compatibility with HP as well as other certified DLT drives. HP DLTtape VS1 160GB Data Cartridges offer higher capacity and low cost per GB for customers with prior investments in DLT backup technology. They are a good choice for IT managers in corporate and Enterprise data centers who need to back up value servers in a reasonable time frame.

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#### SDLT Technology

Super DLT is another tape format which extends the capabilities of DLT technology. It is designed to meet the business critical demands of enterprise storage customers. 2nd generation Super DLT II 600GB Data Cartridge offers high capacity and low cost per GB for customers with prior investments in DLT backup technology. Super DLTtape II cartridges support DLTSage for improved media and drive diagnostics. DLTSage enables IT managers and network staff to better manage, predict and proactively prevent backup problems.



Options

## Related Hardware Options

**NOTE:** This is a list of related options. Some may be discontinued.

HP DLT VS80 Tape Drive	DLT VS80, Internal (Carbon)	280129-B21
	DLT VS80, External (Carbon)	280129-B22

**NOTE:** For additional information regarding the HP DLT VS80 Tape Drive, please see the following URL:

[http://h18000.www1.hp.com/products/quickspecs/11403\\_na/11403\\_na.HTML](http://h18000.www1.hp.com/products/quickspecs/11403_na/11403_na.HTML)  
[http://h18000.www1.hp.com/products/quickspecs/11403\\_na/11403\\_na.PDF](http://h18000.www1.hp.com/products/quickspecs/11403_na/11403_na.PDF)

HP SureStore DLT VS80 Tape Drive	HP SureStore DLT VS80i Tape Drive, Internal	C7504A
	HP SureStore DLT VS80e Tape Drive, External	C7503B
	HP SureStore DLT VS80m Array Module Tape Drive	C7507A
	HP SureStore DLT VS80 Trade-Ready, Internal	C7505A

HP SureStore DLT 80 Tape Drive	HP Surestore DLT 80i, Tape Drive, Internal	C5725A
	HP Surestore DLT 80e, Tape Drive, External	C5726A
	HP Surestore DLT 80m Array Module Tape Drive	C7456A

HP DLT 80 Tape Drive	DLT 80 Tape Drive, Internal (Carbon)	146196-B22
	DLT 80 Tape Drive, Internal, SBB	DS-TZ90N-VW
	DLT 80 Tape Drive, 3U Rackmount (Carbon)	274332-B21
	<b>NOTE:</b> Single drive installed in 3U Rackmount Kit.	
	DLT 80, Dual-Drive, 3U Rackmount (Carbon)	274335-B21
	<b>NOTE:</b> Two drives installed in 3U Rackmount Kit.	
	DLT 80 Tape Array III, 5U Rackmount (Carbon)	274337-B21

**NOTE:** Four drives installed in 5U Rackmount Kit.

**NOTE:** For additional information regarding the HP DLT 80 Tape Drive, please see the following URL:

[http://h18000.www1.hp.com/products/quickspecs/10658\\_na/10658\\_na.HTML](http://h18000.www1.hp.com/products/quickspecs/10658_na/10658_na.HTML)  
[http://h18000.www1.hp.com/products/quickspecs/10658\\_na/10658\\_na.PDF](http://h18000.www1.hp.com/products/quickspecs/10658_na/10658_na.PDF)

HP DLT VS160 Tape Drive	HP DLT VS160 Internal Tape Drive	A7569A
	HP DLT VS160 External Tape Drive	A7570A



### Options

HP SDLT Tape Drive	SDLT 220, Internal (Carbon)	192106-B25
	SDLT 220, External (Carbon)	192103-002
	SDLT 220, 3U Rackmount (Carbon)	274331-B21
	<b>NOTE:</b> Single drive installed in 3U Rackmount Kit.	
	SDLT 220, Dual-Drive, 3U Rackmount (Carbon)	274334-B21
	<b>NOTE:</b> Two drives installed in 3U Rackmount Kit.	
	SDLT 220 Tape Array III, 5U Rackmount (Carbon)	274336-B21
	<b>NOTE:</b> Four drives installed in 5U Rackmount Kit.	
	SDLT 320, Internal (Carbon)	257319-B21
	SDLT 320, External (Carbon)	257319-001
<b>NOTE:</b> For additional information regarding the HP SDLT 220 Tape Drive, please see the following URL:		
<a href="http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.HTML">http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.HTML</a>		
<a href="http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.PDF">http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.PDF</a>		
<b>NOTE:</b> For additional information regarding the HP SDLT 320 Tape Drive, please see the following URL:		
<a href="http://h18000.www1.hp.com/products/quickspecs/11406_na/11406_na.HTML">http://h18000.www1.hp.com/products/quickspecs/11406_na/11406_na.HTML</a>		
<a href="http://h18000.www1.hp.com/products/quickspecs/11406_na/11406_na.PDF">http://h18000.www1.hp.com/products/quickspecs/11406_na/11406_na.PDF</a>		

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HP SDLT 600 Tape Drive	SDLT 600 Internal Tape Drive	A7518A
	SDLT 600 External Tape Drive	A7519A

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HP Rackmount Tape Drive Kits for ProLiant and AlphaServer	HP 3U Rackmount Kit	274338-B21
	HP 5U Rackmount Kit	274339-B21
	<b>NOTE:</b> For additional information regarding the HP Rack-Mount Tape Tape Drive Kits, please see the following URL:	
	<a href="http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.HTML">http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.HTML</a>	
<a href="http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.PDF">http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.PDF</a>		

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### Library Models

**NOTE:** This is a list of supported product. Some may be discontinued.

HP MSL5026DLX Tape Library	MSL5026, 0 DR, LVD, RM	231979-B21
	MSL5026DLX, 1 40/80-GB DLT DR, LVD, TT	231821-B21
	MSL5026DLX, 2 40/80-GB DLT, LVD, TT	231821-B22
	MSL5026DLX, 1 40/80-GB DLT DR, LVD, RM	231891-B21
	MSL5026DLX, 2 40/80-GB DLT, LVD, RM	231891-B22
	<b>NOTE:</b> For additional information regarding the HP MSL5026DLX Tape Library, please see the following URL:	
<a href="http://h18000.www1.hp.com/products/quickspecs/10955_na/10955_na.HTML">http://h18000.www1.hp.com/products/quickspecs/10955_na/10955_na.HTML</a>		
<a href="http://h18000.www1.hp.com/products/quickspecs/10955_na/10955_na.PDF">http://h18000.www1.hp.com/products/quickspecs/10955_na/10955_na.PDF</a>		

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### Options

HP MSL5052SL Tape Library	MSL5052S2, 0 DRV, SDLT 320, RM Library	255102-B21
	MSL5052SL, 2 SDLT 220 GB Drive, LVD, TT Library	249490-B21
	MSL5052SL, 2 SDLT 220 GB Drive, LVD, RM Library	249491-B21
<p><b>NOTE:</b> For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:  <a href="http://h18000.www1.hp.com/products/quickspecs/11061_na/11061_na.HTML">http://h18000.www1.hp.com/products/quickspecs/11061_na/11061_na.HTML</a>  <a href="http://h18000.www1.hp.com/products/quickspecs/11061_na/11061_na.PDF">http://h18000.www1.hp.com/products/quickspecs/11061_na/11061_na.PDF</a></p>		

HP MSL5026S2 Tape Library	MSL5026S2, 0 DRV, RM Library	293472-B21
	MSL5026S2, 1 DRV, SDLT 160/320, RM Library	293472-B22
	MSL5026S2, 2 DRV, SDLT 160/320, RM Library	293472-B23
	MSL5026S2, 1 DRV, SDLT 160/320, RM Library with embedded FC router option	293472-B24
	MSL5026S2, 2 DRV, SDLT 160/320, RM Library with embedded FC router option	293472-B25
	MSL5026S2, 1 DRV, SDLT 160/320, TT Library	293473-B21
	MSL5026S2, 2 DRV, SDLT 160/320, TT Library	293473-B22
	<p><b>NOTE:</b> For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:  <a href="http://h18000.www1.hp.com/products/quickspecs/11453_na/11453_na.HTML">http://h18000.www1.hp.com/products/quickspecs/11453_na/11453_na.HTML</a>  <a href="http://h18000.www1.hp.com/products/quickspecs/11453_na/11453_na.PDF">http://h18000.www1.hp.com/products/quickspecs/11453_na/11453_na.PDF</a></p>	

HP MSL5026SL Tape Library (Opal)	MSL5026SL, 1 SDLT 110/220 DR, LVD, TT	231822-B21
	MSL5026SL, 2 SDLT 110/220, LVD, TT	231822-B22
	MSL5026SL, 1 SDLT 110/220 DR, LVD, RM	231892-B21
	MSL5026SL, 2 SDLT 110/220, LVD, RM	231892-B22
<p><b>NOTE:</b> For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:  <a href="http://h18000.www1.hp.com/products/quickspecs/10860_na/10860_na.HTML">http://h18000.www1.hp.com/products/quickspecs/10860_na/10860_na.HTML</a>  <a href="http://h18000.www1.hp.com/products/quickspecs/10860_na/10860_na.PDF">http://h18000.www1.hp.com/products/quickspecs/10860_na/10860_na.PDF</a></p>		

HP MSL5052S2 Tape Library	MSL5052S2, 0 DRV, SDLT 160/320, RM Library	255102-B21
	MSL5052S2, 2 DRV, SDLT 160/320, TT Library	293476-B21
	MSL5052S2, 2 DRV, SDLT 160/320, RM Library	293474-B21
	MSL5052S2, 2 DRV, SDLT 160/320, RM Library with embedded FC router option	293474-B24
<p><b>NOTE:</b> For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:  <a href="http://h18000.www1.hp.com/products/quickspecs/11442_na/11442_na.HTML">http://h18000.www1.hp.com/products/quickspecs/11442_na/11442_na.HTML</a>  <a href="http://h18000.www1.hp.com/products/quickspecs/11442_na/11442_na.PDF">http://h18000.www1.hp.com/products/quickspecs/11442_na/11442_na.PDF</a></p>		



### Options

HP ESL9322 Tape Library ESL9322 Tape Library, 0 drive, 222 slots 330832-B21

**NOTE:** For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:

[http://h18000.www1.hp.com/products/quickspecs/11628\\_na/11628\\_na.HTML](http://h18000.www1.hp.com/products/quickspecs/11628_na/11628_na.HTML)

[http://h18000.www1.hp.com/products/quickspecs/11628\\_na/11628\\_na.PDF](http://h18000.www1.hp.com/products/quickspecs/11628_na/11628_na.PDF)

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HP ESL9595 Tape Library ESL9595 Tape Library, 0 drives, 400-slot tape library 330833-B21

**NOTE:** For additional information regarding the HP MSL5052SL Tape Library, please see the following URL:

[http://h18000.www1.hp.com/products/quickspecs/11629\\_na/11629\\_na.HTML](http://h18000.www1.hp.com/products/quickspecs/11629_na/11629_na.HTML)

[http://h18000.www1.hp.com/products/quickspecs/11629\\_na/11629\\_na.PDF](http://h18000.www1.hp.com/products/quickspecs/11629_na/11629_na.PDF)



### *Servers Supported*

HP Blade Servers	ProLiant BL20p	ProLiant BL40p	
HP ML Servers	ProLiant ML350 ProLiant ML570	ProLiant ML370	ProLiant ML530
HP DL Servers	ProLiant DL320 ProLiant DL560	ProLiant DL360 ProLiant DL740	ProLiant DL380 ProLiant DL760
HP Servers tc	tc21xx		



### Technical Specifications

	DLTTAPE IV	VS160	SUPER DLTTAPE I	SUPER DLTTAPE II
<b>Physical Characteristics</b>				
Width	4.16 in (105.7 mm)	4.16 in (105.7 mm)	4.16 in (105.7 mm)	4.16 in (105.7 mm)
Length	4.15 in (105.4 mm)	4.15 in (105.4 mm)	4.15 in (105.4 mm)	4.15 in (105.4 mm)
Height	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)
Weight	7.85 oz (225.5 gm)	7.85 oz (225.5 gm)	7.85 oz (225.5 gm)	7.85 oz (225.5 gm)
Color	Black	Ivory/Black	Green	Blue or Blue/Grey
Capacity (all capacity numbers quoted use a 2:1 compression ratio; this may vary since compression is data dependent.)	40/70/80 GB	160GB	220/320 GB	600GB
<b>Tape Characteristics</b>				
Tape Type	Metal Particle	Advanced Metal Particle	Advanced Metal Particle	eMP60™
Overall Length	1,828 ft (557 m)	1,847 ft (563 m)	1,833 ft (559 m)	2,066 ft (630 m)
Data Area Length	1,780 ft (543 m)		1,760 ft (536 m)	
Tape Width	0.5 in (12.7 mm)	0.5 in (12.7 mm)	0.5 in (12.7 mm)	0.5 in (12.7 mm)
Tape Thickness	360μ	360μ	360μ	360μ
<b>Magnetic Properties</b>				
Coercivity	1,850 Oe	1,850 Oe	1,900 Oe	2,800 Oe
Remanence	2,900 G	3,000 G	3,000 G	2,300 G
<b>Tape Life</b>				
Archive Storage (with less than 10% loss in demagnetization, at 20°C and 40% non-condensing humidity)	> 30 years	> 30 years	> 30 years	> 30 years
Durability (average head passes in typical office/computer environment)	1,000,000	1,000,000	1,000,000	1,000,000
<b>Operating Environment</b>				
Operating Temperature	50° - 113°F (10° - 45°C)	50° - 113°F (10° - 45°C)	50° - 113°F (10° - 45°C)	50° - 113°F (10° - 45°C)
Non-Condensing Relative Humidity	20% - 80%	20% - 80%	20% - 80%	20% - 80%
Max. Wet Bulb Temp.	77°F (25°C)	79°F (26°C)	79°F (26°C)	79°F (26°C)
<b>Non-Archival Storage Environment</b>				
Temperature	61° - 90°F (16° - 32°C)	60° - 90°F (16° - 32°C)	60° - 90°F (16° - 32°C)	60° - 90°F (16° - 32°C)
Non-Condensing Relative Humidity	20% - 80%	20% - 80%	20% - 80%	20% - 80%



### Technical Specifications

Maximum Wet Bulb Temperature	78°F (26°C)	79°F (26°C)	79°F (26°C)	79°F (26°C)
<b>Archival Storage Environment</b>				
Ambient Temperature	64° - 82°F (18° - 28°C)	64° - 82°F (18° - 28°C)	64° - 82°F (18° - 28°C)	64° - 82°F (18° - 28°C)
Non-Condensing Relative Humidity	40% - 80%	40% - 80%	40% - 80%	40% - 80%
Stray Magnetic Field (strength impinging on any point on the cartridge)	< 4,000 G	< 4,000 G	< 4,000 G	< 4,000 G

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