

hp surestore
tape library
2/20, 4/40, 6/60



reliable



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For Windows NT[®]/2000 environments and UNIX[®], MPE-iX, and Solaris platforms.

Flexibility is at the heart of the HP Surestore Tape Libraries. The entire product family is based on a common architecture and includes three configurable models—which provide a choice of one, two, four, or six drives with 20, 40, or 60 slots. Models feature either the DLT 8000 drive or the HP Ultrium drive.¹ With the ability to store from 800 GB to 6 TB of data (native) and support a wide variety of commercial software packages and, these libraries are ready to evolve with your needs.

key features

- Native capacities scale from 800 GB to 6 TB.
- Choose from a one- or two-drive 20-slot model; a two- or four-drive 40-slot model; or a two-, four-, or six-drive 60-slot model.
- Upgrade to fibre channel/SAN interfaces—now or in the future.
- Built with identical stacking modules to evolve easily with your needs.
- Higher capacity—100 GB per drive native.
- Higher performance for shrinking backup windows—native transfer rate of 15 MBps.
- Smooth upgrade path—move from DLT to Ultrium drives without removing the library from its installation.
- Suitable for any environment; supports Windows NT/2000, UNIX, MPE-iX, and Solaris platforms.
- Local control via a front-panel interface that provides real-time diagnostics.
- See-through glass panel for verifying the operation of drives and robotics.
- Web-view remote management card.
- Integration with HP Toptools or your enterprise SNMP system management platform.
- Hot-swappable drives to maximize data availability.
- Design elements leveraged from ultra-reliable HP scanners and printers.
- Extremely durable robotics, motors, and internal mechanisms.
- Backup software rigorously tested for tight integration with servers and storage systems from multiple vendors.
- HP DLT or HP Ultrium media, tested for maximum quality and reliability.
- Two-year warranty with next-day onsite service.

¹ Ultrium is the leading format of Linear Tape Open.

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specifications

	Tape Library (2/20)		Tape Library (4/40)		Tape Library (6/60)	
Drive Type	DLT 8000	Ultrium	DLT 8000	Ultrium	DLT 8000	Ultrium
Number of Drives	1 or 2	1 or 2	2 or 4	2 or 4	2, 4, or 6	2, 4, or 6
Number of Slots	20	20	40	40	60	60
Native Storage Capacity, Max	800 GB	2 TB	1.6 TB	4 TB	2.4 TB	6 TB
Native Data Transfer Rate, Max	6 or 12 MBps	15 or 30 MBps	12 or 24 MBps	30 or 60 MBps	12, 24, or 36 MBps	60, 120, or 180 MBps
Average Tape Access/Exchange Time	15 secs/46 secs					
Reliability	1 million MSBF					
Standard Warranty	2-yr next-day onsite					
Drive Characteristics	DLT			Ultrium		
Sustained Transfer Rate, Max	6 MBps native, 10 MBps compressed			15 MBps native, 30 MBps compressed		
Burst Transfer Rate	20 MBps			20 MBps		
Average Access Time	60 secs			60 secs		
Tape Load/Unload/Repositioning	37 secs/17 secs/1.3 secs			37 secs/17secs/1.3 secs		
Hard/Undetected Error Rates	10 ¹⁷ bytes read/10 ²⁷ bytes read			10 ¹⁷ bytes read/10 ²⁷ bytes read		
Reliability	250,000 hrs MTBF			250,000 hrs MTBF		
Supported Media	HP DLT IV, DLT IIIXT			HP Ultrium		
Physical Characteristics						
Dimensions (H x W x D)	216 x 442 x 696 mm (8.5 x 17.4 x 27.4 in)		489 x 442 x 696 mm (19.25 x 17.4 x 27.4 in)		711 x 442 x 696 mm (28 x 17.4 x 27.4 in)	
Net Weight	39.5 kg (87 lb)		74.8 kg (165 lb)		103.9 kg (249 lb)	
Shipping Weight	40.8 kg (90 lb)		81.7 kg (180 lb)		110.7 kg (244 lb)	
Interface			Fibre Channel, LVDS, or HVDS			
Environmental Characteristics						
Media	Wet Bulb: 25° C Max Transportation: -30–60° C (<14 consecutive days) Gradient: 10° C per hour			Wet Bulb Operating: 10–25° C Max; Nonoperating: 40° C Max Transportation: -30–60° C (<14 consecutive days) Gradient: 10° C per hour		
Temperature	Operating: 10–35° C; Nonoperating: -40–60° C					
Humidity	Operating: 20–80% RH, Nonoperating: 10–95% RH					
Shock	Nonoperating: 30g/168 in/s					
Vibration	Operating: 0.21 g rms (random) Nonoperating: 2.1 g rms (random) Nonoperating: 0.5 g (0 to peak, swept-sine wave)					
Power Requirements	Line Voltage: 100–127 VAC, 200–240 VAC; Line Frequency: 50–60 Hz					
Typical Power Consumption	175W, Max: 200W		340W, Max: 375W		500W, Max: 560W	
Family Certification Numbers	N2724N1Z		N2724N2Z		N2724N3Z	
Product Certification	FCC Class A; CISPR 22, A; UL 1950; cUL: CSA 950; TUV IEC 60 950/IEC 60 825-1 (laser CLASS 1); C-Tick, VCCI					

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easy
management

ordering information • available through open distribution

Model Name	HP Surestore Tape Library 2/20	HP Surestore Tape Library 4/40	HP Surestore Tape Library 6/60
DLT Libraries	C7200NB (1/20, Rackmount, LVDS) C7200RA (1/20, Rackmount, HVDS) C7200RC (1/20, Rackmount, Fibre) C7201NB (1/20, Standalone, LVDS) C7201RA (1/20, Standalone, HVDS) C7201RC (1/20, Standalone, Fibre) C7202NB (2/20, Rackmount, LVDS) C7202RA (2/20, Rackmount, HVDS) C7202RC (2/20, Rackmount, Fibre) C7203NB (2/20, Standalone, LVDS) C7203RA (2/20, Standalone, HVDS) C7203RC (2/20, Standalone, Fibre) C7205J (Rackmount Kit) C7204J (Standalone Enclosure Kit)	C7210NB (2/40, Rackmount, LVDS) C7210RA (2/40, Rackmount, HVDS) C7210RC (2/40, Rackmount, Fibre) C7211NB (2/40, Standalone, LVDS) C7211RA (2/40, Standalone, HVDS) C7211RC (2/40, Standalone, Fibre) C7214NB (4/40, Rackmount, LVDS) C7214RA (4/40, Rackmount, HVDS) C7214RC (4/40, Rackmount, Fibre) C7215NB (4/40, Standalone, LVDS) C7215RA (4/40, Standalone, HVDS) C7215RC (4/40, Standalone, Fibre) C7217J (Rackmount Kit) C7216J (Standalone Enclosure Kit)	C7222NB (2/60, Rackmount, LVDS) C7222RA (2/60, Rackmount, HVDS) C7222RC (2/60, Rackmount, Fibre) C7223NB (2/60, Standalone, LVDS) C7223RA (2/60, Standalone, HVDS) C7223RC (2/60, Standalone, Fibre) C7226NB (4/60, Rackmount, LVDS) C7226RA (4/60, Rackmount, HVDS) C7226RC (4/60, Rackmount, Fibre) C7227NB (4/60, Standalone, LVDS) C7227RA (4/60, Standalone, HVDS) C7227RC (4/60, Standalone, Fibre) C7230NB (6/60, Rackmount, LVDS) C7230RA (6/60, Rackmount, HVDS) C7230RC (6/60, Rackmount, Fibre) C7231NB (6/60, Standalone, LVDS) C7231RA (6/60, Standalone, HVDS) C7231RC (6/60, Standalone, Fibre) C7233J (Rackmount Kit) C7232J (Standalone Enclosure Kit)
Ultrium Libraries	C9520CB (1/20, LVDS, Rack) C9520CC (1/20, Fibre, Rack) C9520AA (1/20, HVDS, Rack) C9521CB (1/20, LVDS, Standalone) C9521CC (1/20, Fibre, Standalone) C9521AA (1/20, HVDS, Standalone) C9522CB (2/20, LVDS, Rack) C9522CC (2/20, Fibre, Rack) C9522AA (2/20, HVDS, Rack) C9523CB (2/20, LVDS, Standalone) C9523CC (2/20, Fibre, Standalone) C9523AA (2/20, HVDS, Standalone)	C9529CB (2/40, LVDS, Rack) C9529CC (2/40, Fibre, Rack) C9529AA (2/40, HVDS, Rack) C9530CB (2/40, LVDS, Standalone) C9530CC (2/40, Fibre, Standalone) C9530AA (2/40, HVDS, Standalone) C9533CB (4/40, LVDS, Rack) C9533CC (4/40, Fibre, Rack) C9533AA (4/40, HVDS, Rack) C9534CB (4/40, LVDS, Standalone) C9534CC (4/40, Fibre, Standalone) C9534AA (4/40, HVDS, Standalone)	C9540CB (2/60, LVDS, Rack) C9540CC (2/60, Fibre, Rack) C9540AA (2/60, HVDS, Rack) C9541CB (2/60, LVDS, Standalone) C9541CC (2/60, Fibre, Standalone) C9541AA (2/60, HVDS, Standalone) C9544CB (4/60, LVDS, Rack) C9544CC (4/60, Fibre, Rack) C9544AA (4/60, HVDS, Rack) C9545CB (4/60, LVDS, Standalone) C9545CC (4/60, Fibre, Standalone) C9545AA (4/60, HVDS, Standalone) C9548CB (6/60, LVDS, Rack) C9548CC (6/60, Fibre, Rack) C9548AA (6/60, HVDS, Rack) C9549CB (6/60, LVDS, Standalone) C9549CC (6/60, Fibre, Standalone) C9549AA (6/60, HVDS, Standalone)
Upgrade Kits	DLT 8000 Single Drive Upgrade Kit, HVDS DLT 8000 Single Drive Upgrade Kit, LVDS Fibre Channel Upgrade Kit LVDS to Fibre Channel Upgrade Kit 20 Slot Modular Scalability Kit 40 Slot Modular Scalability Kit		C7237R C7237N C7240RC C7239NB C7242J C7243J
Ultrium Upgrade Kits	LTO Drive Upgrade LVDS Kit LTO Drive Upgrade HVDS Kit		C9555C C9555A
DLT Preferred Media	HP DLT IV Data Cartridge, 40/70/80 GB, 1 pk Removable magazine, 5 slots, no media Removable magazine, 5 slots with media		C5141F C7235J C7236J
Ultrium Preferred Media	HP Ultrium 1 Data Cartridge, 200 MB HP Ultrium 1 Cleaning Cartridge HP Five-slot Removable Magazine, no media HP Five-slot Removable Magazine, with media		C7971A C7979A C9553A C9554A
Miscellaneous Products	DLT Redundant Power Supply; order 1 max for 2/20, 2 max for 4/40, 3 max for 6/60 Return Packaging Option DLT Redundant Power Supply Ultrium Redundant Power Supply		C9261A C7206J A4667A A4676A
HP Supportpacks	3-year 4-Hour Onsite, Extended Hours Response; for 1/20 and 2/20 drives, rackmount and standalone 3-year 4-Hour Onsite Response, 24x7; for 1/20 and 2/20 drives, rackmount and standalone 3-year 4-Hour Onsite, Extended Hours Response; for 2/20 and 4/40 drives, rackmount and standalone 3-year 4-Hour Onsite Response, 24x7; for 2/40 and 4/40 drives, rackmount and standalone 3-year 4-Hour Onsite, Extended Hours Response; for 2/60, 4/60 and 6/60 drives, rackmount and standalone 3-year 4-Hour Onsite Response, 24x7; for 2, 4, and 6 DLT 8000 drives, 60-slot, rackmount and standalone 1-year Post Warranty, 4-Hour Onsite, Extended Hours Response; for 1/20 and 2/20 drives, rackmount and standalone 1-year Post Warranty, 4-Hour Onsite, Extended Hours Response; for 2/40 and 4/40 drives, rackmount and standalone 1-year Post Warranty, 4-Hour Onsite, Extended Hours Response; for 2/60, 4/60, and 6/60 drives, rackmount and standalone		H5520A/E H4434A/E H5533A/E H4435A/E H5534A/E H4436A/E H2734PA/PE H2735PA/PE H2736PA/PE

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flexible



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ordering information • available through hp-UNIX authorized resellers

Model Name	HP Surestore Tape Library 2/20	HP Surestore Tape Library 4/40	HP Surestore Tape Library 6/60
DLT Libraries	A5583A (Rackmount, HVDS) A4680A (Rackmount, LVDS) A5584A (Standalone, HVDS) A4681A (Standalone, LVDS)	A5585A (Rackmount, HVDS) A4682A (Rackmount, LVDS) A5586A (Standalone, HVDS) A4683A (Standalone, LVDS)	A5587A (Rackmount, HVDS) A4684A (Rackmount, LVDS) A5588A (Standalone, HVDS) A4685A (Standalone, LVDS)
Ultrium Libraries	A6310A (Rackmount, HVDS) A6311A (Rackmount, LVDS) A6312A (Standalone, HVDS) A6313A (Standalone, LVDS)	A6314A (Rackmount, HVDS) A6315A (Rackmount, LVDS) A6316A (Standalone, HVDS) A6317A (Standalone, LVDS)	A6318A (Rackmount, HVDS) A6319A (Rackmount, LVDS) A6320A (Standalone, HVDS) A6321A (Standalone, LVDS)
DLT Upgrades	HVDS Drive Upgrade; 2 max for 2/20, 4 max for 4/40, 6 max for 6/60 LVDS Drive Upgrade; 2 max for 2/20, 4 max for 4/40, 6 max for 6/60 HVDS Fibre Channel Upgrade; 1 max for 2/20, 2 max for 4/40, 3 max for 6/6 LVDS Fibre Channel Upgrade; 1 max for 2/20, 2 max for 4/40, 3 max for 6/60 20- to 40-Slot Upgrade Kit 40- to 60-Slot Upgrade Kit		A5589A A4686A A5590A A4687A A1378A A1379A
Ultrium Upgrades	HVDS Drive Upgrade; 2 max for 2/20, 4 max for 4/40, 6 max for 6/60 LVDS Drive Upgrade; 2 max for 2/20, 4 max for 4/40, 6 max for 6/60 HVDS Fibre Channel Upgrade; 1 max for 2/20, 2 max for 4/40, 3 max for 6/60 LVDS Fibre Channel Upgrade; 1 max for 2/20, 2 max for 4/40, 3 max for 6/60 20- to 40-Slot Upgrade Kit 40- to 60-Slot Upgrade Kit		A6306A A6307A A4673A A4674A A6325A A6326A