

# HP StorageWorks MSL6000

## Tape Libraries

Quick reference guide



HP StorageWorks MSL6060/6052 tape library



HP StorageWorks MSL6030/6026 tape library

### Overview

- MSL6000 Tape Libraries are the HP offering for high performance, mission-critical automated mid-range and departmental backup and restore solutions.
- MSL6000 Tape Libraries are the market leaders in the mid-range segment (21–100 slots) with over 28 percent market share (IDC branded market survey, 1H'2005).
- MSL6000 Tape Libraries provide the performance and capacity that are required to address increasing data volume and decreasing backup windows.
- MSL6000 LTO Tape Libraries can scale from one drive and 30 slots to 16 drives and 240 slots allowing capacity and performance to increase as the volume of data grows.
- Easy-to-use front panel GUI and web-based remote management reduce the time required to administer and monitor MSL6000 Tape Libraries.
- MSL6000 Tape Libraries provide ideal data protection for entry to mid-range SANs.

### MSL6000 salient features

The portfolio of HP StorageWorks MSL6000 Tape Libraries provides centralized backup to a single automated device, freeing valuable IT resources for more strategic work. The libraries are ideal for medium to large IT networks, with or without a storage area network (SAN), experiencing uncertain data growth. MSL6000 Tape Libraries provide change without chaos, simplicity without compromise and growth without limits to meet even the most demanding IT network requirements.

#### Change without chaos

- MSL6000 Tape Libraries are available with a broad choice in tape technology, including: Ultrium 960, Ultrium 460 and SDLT 600.
- MSL6000 Tape Libraries are available with either Fibre Channel or SCSI interfaces for use in direct or network attached environments.
- Upgrade to a new drive technology for increased capacity or performance by simply installing the new drive into the current library chassis.

- With the MSL6000 controller-based architecture, start with direct-attach configurations and easily move to a SAN-based storage environment with only an interface card upgrade.

#### Simplicity without compromise

- The user-friendly GUI control panel and web interface make library management easy from a remote or on-site location.
- The world-class diagnostic tool, HP StorageWorks Library and Tape Tools, is available with every library at no additional charge.
- MSL6000 Tape Libraries have been fully tested and certified with HP StorageWorks Enterprise Business Solutions (EBS) assuring the management and installation of MSL6000 libraries in your environment will go smoothly.
- MSL6000 Tape Libraries offer Data Rate Matching with the HP Ultrium tape drives.

#### Growth without limits

- Start small and grow with multi-unit scalability as your storage requirements increase.

For more information on HP StorageWorks MSL Tape Libraries, visit [www.hp.com/go/tape](http://www.hp.com/go/tape).



## MSL6000 Tape Libraries vs. the competition

	Slots	Drives	Rack height (U)	Density (TB/U) <sup>1</sup>	Base capacity (TB) <sup>1</sup>	Scalable capacity (TB) <sup>1</sup>
HP StorageWorks MSL6030	30	Up to 2	5	2.4	12	Up to 96
HP StorageWorks MSL6060	60	Up to 4	10	2.4	24	Up to 96
StorageTek L20	20	Up to 2	4	2.0	8	Not scalable
StorageTek L40	40	Up to 4	8	2.0	16	Not scalable
ADIC Scalar 24/ Dell PowerVault 132T/ IBM 3582	21 SDLT/ 24 LTO	Up to 2	4	2.4	9.6	Not scalable
ADIC Scalar 100/ Dell PowerVault 136T/ IBM 3583	60 SDLT/ 72 LTO	Up to 6	14	2.0	28.8	Not scalable
Quantum M1500	25	Up to 2	4	2.5	10	50
Quantum M2500	100	Up to 6	13.5	2.96	40	60
Overland Storage NEO 2000	30	Up to 2	5	2.4	12	Up to 96
Overland Storage NEO 4100	60	Up to 4	10	2.4	24	Up to 96
Quantum PX502	32 SDLT/ 38 LTO	Up to 2	4	3.8	15.2	Not scalable
Quantum PX506	88 SDLT/ 100 LTO	Up to 6	10	4	40	Not scalable

For more information on HP StorageWorks MSL6000 Tape Libraries, visit [www.hp.com/go/tape](http://www.hp.com/go/tape). For the latest information on supported operating systems, ISV software, HBAs and servers, please refer to the EBS Compatibility Matrix at [www.hp.com/go/ebs](http://www.hp.com/go/ebs).

## HP StorageWorks MSL6000 Tape Libraries<sup>2</sup>

	Number of slots	Maximum capacity (native)	Maximum number of drives	Maximum performance (per hour)	1-drive rack-mount part number	1-drive rack-mount part number with embedded FC	2-drive rack-mount part number	2 drive rack-mount part number with embedded FC	Drive upgrade kit
MSL6030: Ultrium 960	30	12 TB	2	432 GB/hr	AD606A	AD608A	AD607A	AD609A	AD612A
MSL6060: Ultrium 960	60	24 TB	4	864 GB/hr			AD610A	AD611A	AD612A
MSL6030: Ultrium 460	30	6 TB	2	216 GB/hr	AD598A	AD600A	AD599A	AD601A	AD605A
MSL6060: Ultrium 460	60	12 TB	4	432 GB/hr			AD603A	AD604A	AD605A
MSL6026: SDLT 600	26	7.8 TB	2	259 GB/hr	AD582A	AD584A	AD583A	AD585A	AD589A
MSL6052: SDLT 600	52	15.6 TB	4	518 GB/hr			AD587A	AD588A	AD589A
MSL5026: SDLT 320	26	4.16 TB	2	115.2 GB/hr	293472-B22	293472-B24	293472-B23	293472-B25	293475-B21
MSL5052: SDLT 320	52	8.32 TB	4	230.4 GB/hr		293474-B21	293474-B24	293475-B21	

## Recommended media

### Drive type

	Media capacity <sup>3</sup>	Data cartridge	Cleaning cartridge	Barcode labels (100 pack)	Prelabeled data cartridge (20 pack)
Ultrium 960 tape drive	800 GB	C7973A C7973W (WORM)	C7978A	Q2007A Q2008A (WORM)	C7973AL C7973WL (WORM)
Ultrium 460 tape drive	400 GB	C7972A	C7978A	Q2002A	C7972AL
SDLT 600 tape drive	600 GB	Q2020A	C7982A	Q2006A	Not available
SDLT 320 tape drive	320 GB	C7980A	C7982A	Q2003A	C7980AL



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<sup>1</sup> Native capacity with LTO3 drives

<sup>2</sup> All drives are SCSI unless otherwise noted FC.

<sup>3</sup> All tape capacities quoted use a 2:1 compression ratio—this may vary since compression is data dependent.