

# New standard in data protection



The *StorageWorks™* MSL5026SL by Compaq delivers an outstanding mix of high-availability features, storage density and simplified management. It's the first tape library in its class to offer high availability with hot-plug drives, which makes it possible to exchange or add drives without disrupting the backup or restore process — minimizing downtime and simplifying maintenance. A GUI-based, touch-screen control panel simplifies library operation. Compaq bundled management and diagnostics utilities make library management, running diagnostics and firmware upgrades simple and quick — saving time and lowering the total cost of ownership.

The MSL5026SL is available with SDLT 110/220 drives. With 26 data cartridges in a compact 5U form factor, native capacity of 2.86 TB is available. Cartridge magazines are removable for convenient off-site storage. Like all Compaq storage libraries, the MSL5026SL is designed with multi-unit modular scalability that makes expanding capacity simple and seamless. Combine up to seven units to create one virtual library with native capacity up to 20.02 TB. That modularity lets you expand capacity as your needs grow and protects your existing investment. In addition, two cPCI slots provide future functionality via add-on cards, such as an embedded fiber-to-SCSI bridge.

The MSL5026 is qualified with *AlphaServer™* systems and *ProLiant™* servers running Compaq *Tru64™* UNIX, *OpenVMS™*, NetWare or Microsoft Windows NT or 2000.

- > High availability – hot-plug drives reduce downtime by permitting online drive exchange and capacity expansion
- > High capacity – 26 cartridge slots provide native capacity of 2.86 TB with SDLT 110/220 drives (5.72 TB with 2:1 compression)
- > High backup and restore performance – throughput of 11 MB/s for a single SDLT drive provides backup performance of up to 79.2 GB/hr for a single unit
- > High density – with the highest number of slots in its class and a compact 5U form factor, this library offers the highest storage density in its class and conserves valuable data-center and rack space
- > Simplified operation and management – a GUI-based touch-screen panel simplifies library operation, a mail slot speeds loading and unloading of cartridges, and removable magazines simplify off-site storage. Bundled Compaq Tape Storage Management Console and Compaq Insight Manager also simplify library management and diagnostics.
- > Multi-unit modular scalability – up to seven units can be linked together in a virtual library, for easy capacity expansion and investment protection
- > Future enhancements – cPCI slots will enable you to enhance functionality in the future with add-on cards

## System support

### Operating Systems support:

- > Microsoft Windows NT v4.0 and Windows 2000
- > Novell NetWare v4.2, 5.0 and above
- > Compaq Tru64 UNIX v4.0G and 5.1
- > OVMS v7.2-1

### Server support

Compaq ProLiant™ servers:

- > ProLiant DL760/8500, ProLiant ML750/8000, ProLiant DL580, ProLiant ML570, ProLiant ML530, ProLiant DL380, ProLiant ML370, ProLiant ML350, ProLiant DL360 and ProLiant DL320

Compaq AlphaServer systems:

- > GS320, GS160, GS 80, ES 40, 4X00, DS20, 1200 and DS10

### SCSI Controller support

Compaq ProLiant servers:

- > 64-bit 66 MHz dual channel Wide Ultra III SCSI Adapter 129803-B21

Compaq AlphaServer systems:

- > StorageWorks Ultra LVD single channel 3X-KZPCA-AA by Compaq

### Application support

(Under direct SCSI connect and Compaq EBS for SAN)

- > VERITAS Backup Exec™ v8.5 for Windows NT/2000
- > VERITAS Backup Exec™ v8.6 for Netware
- > Computer Associates ARCserve™ 2000 Windows NT/2000
- > Computer Associates ARCserve™ v7.0 for NetWare
- > VERITAS NetBackup v3.4.1 for Windows NT/2000
- > Legato Networker v6.1 for Windows NT/2000
- > Legato Networker v6.1 for Compaq Tru64 UNIX

Supported in future (post launch)

- > VERITAS NetBackup v3.4 Tru64 UNIX
- > Tivoli TSM v4.2 (under EBS only)
- > Legato SmartMedia v1.4 for Tru64 UNIX

(Under direct SCSI attach only):

- > Storage Library System (SLS) v2.9d for OpenVMS
- > Archive/Backup System (ABS) v3.2 for OpenVMS
- > Dantz Retrospect v5.6 (Server Version) for Windows NT/2000 – supports only single drive configurations

Automation and Network Utilities

- > Media Robot Utility (MRU) v1.4
- > Compaq Insight Manager v5.0

## Specifications

<b>Control Panel</b>	Library and Drive Status Load/Unload tape drives Library Configuration	Move tape cartridges Maintenance (drive cleaning, diagnostics) Statistics	
<b>SCSI Interface</b>	Ultra II LVD SCSI, VHDCI		
<b>Form Factor</b>	Rackmount ( <i>ProLiant</i> and <i>Alpha</i> Racks) Tabletop		
<b>Dimensions (HxWxD)</b>	Height	Rackmount Tabletop	8.75 in/22.3 cm 10.00 in/25.4 cm
	Width	Rackmount Tabletop	17.00 in/43.2 cm 19.00 in/48.3 cm
	Depth	Overall, 31.25 in/79.4 cm Behind panel 30.25 in/76.8 cm	
<b>Unit Weight</b>	Single Drive Dual Drive	70 lbs/32 kgs. 75 lbs/34 kgs.	
<b>Capacity (native)</b>	Base Unit	26 slots, for native capacity up to 2.86 TB	
<b>Maximum Configuration</b> (7 modules with multi-unit scalability)	182 slots, for native capacity up to 20.02 TB		
<b>Performance (native)</b>	Base Unit	11 MB/s per drive Supports 1 or 2 SDLT 110/220 drives for native transfer rates up to 79.2 GB/hr	
	Maximum Configuration (7 modules with multi-unit scalability)	Supports up to 14 SDLT 110/220 drives for native transfer rates up to 554.4 GB/hr	
<b>Power Consumption</b>	Base Unit	90-140 VAC @47 – 63 Hz 176-2590 VAC @47 – 63 Hz	
<b>Power Requirement</b>	400 watts continuous 450 watts (max peak @ 20% duty cycle)		
<b>Acoustic Noise</b>	Noise Power Emission Level	8 bels, max	
	Avg. Sound Pressure Level	52 dBA	
<b>Reliability</b>	MTBF MSBF	250,000 hours (100% duty cycle) 1,000,000 load/unload cycles	
<b>Product Safety Requirements and Approvals</b>	EN60950 (IEC 950), UL1950, CSA C22.2 950, VDE 0805/11.92 (TUV), EMKO-TSE 207/94 (NEMKO, FIMKO, DEMKO, SEMKO), NOM-019-SCFI-1993, KONKAR, MEEI, GOST, EVPU, SIQ, VCCI Class 1, C-Tick (Class A) SMA AZ/NZS 3548 Class A, BCIQ, CE Marking Directive (93/68/EEC) (Class A), EMC Directive [89/336/EEC], Low Voltage Directive [73/23/EEC]		
<b>Warranty</b>	(3-1-1) Three-year warranty, first year, on-site next day response, years two & three parts exchange. Additional Warranty protection can be purchased for all MSL5026 Library products.		

## Models and Option numbers

### DLT Library System

#### MSL5026SL

231979-B21	MSL5026, 0 DR, LVD, RM
231822-B21	MSL5026SL, 1 SDLT110/220DR, LVD, TT
231822-B22	MSL5026SL, 2 SDLT110/220DR, LVD, TT
231892-B21	MSL5026SL, 1 SDLT110/220DR, LVD, RM
231892-B22	MSL5026SL, 2 SDLT110/220DR, LVD, RM

#### Drive Upgrade Kit

231823-B22	MSL5KField UpgSDLT110/220 DR, LVD
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#### Rackmounting Kits

231894-B22	MSL5026 TT-RK KIT, <i>ProLiant</i> Rack
231894-B21	MSL5026 TT-RK KIT, <i>Alpha</i> Rack

#### Pass Through Kit

231824-B21	MSL5026, Pass Thru mechanism
231824-B22	MSL5026, Pass Thru Extender
232136-B21	MSL5000 dual magazine pack

#### Cartridges and Accessories

188527-B21	SDLT Media 5-Pack
188527-B22	SDLT Media 10-Pack
188527-B26	SDLT Media 20-Pack
232079-B21	SDLT Cleaning Cartridge
158398-001	DLT Barcode Labels, 100 pcs

#### SCSI Cable Kits

341176-B21	VHDCI/Wide SCSI Cable, 6'
341177-B21	VHDCI/Wide SCSI Cable, 12'
201160-B21	VHDCI/Wide SCSI Cable, 10m
341174-B21	VHDCI/VHDCI SCSI Cable, 6'
341175-B21	VHDCI/VHDCI SCSI Cable, 12'

# COMPAQ

## Inspiration Technology

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