

# TANDBERG STORAGE LIBRARY T40

## STORAGE LIBRARY T40



## Product Highlights

- 24/40 slot library suited for environments that need unattended workgroup backup and restore with capacities from 19.2 TB to 64 TB\*
- Up to 1.72 GB/Hr\* Transfer Rate
- One or two LTO-3 or LTO-4 Full Height drives
- Capacity on Demand (COD) allows users to increase usable capacity as data grows
- Partitioning
- SCSI or Fibre Channel connectivity
- Upgrade options for advanced management and intelligent storage networking support
- 1 year 'Advanced Exchange' warranty and 3 years return to base warranty

\* assuming 2:1 data compression

## ENTERPRISE FEATURES IN A MID-RANGE LIBRARY

### Tandberg StorageLibrary™ T40 Overview

The Tandberg StorageLibrary T40 is the most competitively positioned midrange tape library in the market, combining high capacity (up to 64 TB\*) and performance into a small 4U rack-optimised solution, supporting both SCSI and FC connectivity.

### Flexible Management backed by Enterprise Features

The StorageLibrary T40 was created with flexibility in mind; ADI interface allowing you to mix SCSI and Fibre Channel in the same library; flexibility over media with easy cartridge management; flexibility over operations via in-built partitioning that enables it to work as one to four separate autoloaders; and flexibility to combine Half Height and Full Height drives according to requirements. Capacity on Demand (COD) increases the versatility of this library still further, allowing users to easily increase usable capacity as their data grows.

When it comes to enterprise management, the StorageLibrary T40 has a user-friendly interface for system administration, control and monitoring. It comes with an integrated barcode reader, remote management features, Export/Import slot, Customer Replaceable Units, drive hot swapping, notification via SNMP support/tape alert/email notification, audible alarm and real time clock functions as standard.

### The Market

The tape automation market continues to grow in response to exponential data growth and dramatic advances in storage consolidation. LTO™ has emerged as the dominating technology used in midrange tape automation and industry analysts are predicting an 8.6 %\* year on year growth of autoloader and mid-range tape automation shipments.

\*GartnerGroup 2005

### Five reasons to select the Tandberg StorageLibrary T40

- **Enterprise features at competitive price**  
With a base configuration price comparable to some autoloaders, the Tandberg StorageLibrary T40 offers users an easy entry into enterprise automation
- **Reduce backup windows**  
The StorageLibrary T40 offers Enterprise performance including a 2 GB fibre connectivity solution with multiple enterprise tools included as standard
- **Exponential data growth**  
The StorageLibrary T40 is one of the highest density libraries in the industry, by combining up to 40 cartridges in only 4U of rack space.
- **Limited Resources**  
The StorageLibrary T40 has the capability to handle over a month's unattended operation, so you save on valuable staff time and salary
- **Future proof**  
The StorageLibrary T40 was developed with versatility in mind, allowing a flexible upgrade path.

## STORAGELIBRARY T40



### About Tandberg Data

Tandberg Data is a leading global supplier and manufacturer of tape drives, tape automation and disk sub-systems. Tandberg Data offers solutions based on the LTO™, SLR™ and VXA™ tape technology platforms, storage software, media and disk-based storage. All solutions are designed to meet the growing storage requirements of small and medium-sized organisations with scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection. Tandberg Data has been proudly servicing its customers for over 25 years, and customer service is fundamentally important to Tandberg Data.

### Specifications

Drive Technology	LTO-4 FH	LTO-3 FH
Number of drives:	1 – 2	1 – 2
Number of slots:	24 or 40	24 or 40
Capacity (native):	32 TB (40 slots LTO-4)	16 TB (40 slots LTO-3)
Capacity (compressed)*:	64 TB (40 slots LTO-4)	32 TB (40 slots LTO-3)
Interface:	Ultra 160 SCSI / LVD	Ultra 160 SCSI / LVD / Native FC
Cartridge loading:	Magazine and Mail Slot	Magazine and Mail Slot
Mail slot (I/O) port:	yes	yes
Web administration:	yes	yes
Magazine:	2 (12 slots) plus an optional 2 (8 slots)	2 (12 slots) plus an optional 2 (8 slots)
Rackmount option:	yes	yes
Table top version:	yes	yes
Barcode reader:	yes	yes
Additional interface:	10 base T Ethernet	10 base T Ethernet
Customer changeable drives, power supply and fans:	yes	yes
<b>Performance and Compatibility</b>		
Buffer size:	256 MB	128 MB
Transfer rate (native):	120 MB/s	80 MB/s
Transfer rate (compressed)*:	240 MB/s	160 MB/s (840LTO)
File access time:	76 seconds	76 seconds
Recording format:	LTO-4	LTO-3
Encoding/Decoding:	PRML	PRML
Digital Speed Matching (DSM):	yes	yes
Number of tracks:	824	704
Write formats:	LTO-4, LTO-3	LTO-3, LTO-2
Read formats:	LTO-4, LTO-3, LTO-2	LTO-3, LTO-2, LTO-1
<b>Dimensions</b>		
Temperature (non-operating):	-30° C – +60° C	-30° C – +60° C
Temperature (operating):	10 – 40° C	10 – 40° C
Relative humidity, operating (non-condensing):	20 % – 80 %	20 % – 80 %
Relative humidity, non-operating (non-condensing):	10 % – 90 %	10 % – 90 %
Format:	4U	4U
Height:	17,75 cm	17,75 cm
Width:	44,66 cm	44,66 cm
Depth:	73,66 cm	73,66 cm
Weight:	37,7 kg	37,7 kg
Power specification:	100 – 240 VAC	100 – 240 VAC
Certification marks:	CE, UL, C-UL, GS/TUV, VCCI, C-Tick	CE, UL, C-UL, GS/TUV, VCCI, C-Tick
<b>Reliability</b>		
MTBF:	250,000 hours	250,000 hours
Hard Error Rate (less than):	10 <sup>-17</sup>	10 <sup>-17</sup>
Media Durability (archival life):	30 years	30 years

\*assuming 2:1 data compression

#### Model numbers

Tandberg StorageLibrary T40, 24 Slots - 1xLTO-3-SCSI	8810 8112 00
Tandberg StorageLibrary T40, 24 Slots - 1xLTO-3-FC	8810 8114 00
Tandberg StorageLibrary T40, 40 Slots - 1xLTO-3-SCSI	8810 8118 00
Tandberg StorageLibrary T40, 40 Slots - 1xLTO-3-FC	8810 8120 00
Tandberg StorageLibrary T40, 24 Slots - 1xLTO-4-SCSI	8810 8124 00
Tandberg StorageLibrary T40, 24 Slots - 1xLTO-4-FC	8810 8126 00
Tandberg StorageLibrary T40, 40 Slots - 1xLTO-4-SCSI	8810 8128 00
Tandberg StorageLibrary T40, 40 Slots - 1xLTO-4-FC	8810 8130 00

(Multiple Drive configurations are available on request !)

#### Media

Tandberg LTO-1 Data Cartridge	0043 2630-1
Tandberg LTO-2 Data Cartridge	0043 2744
Tandberg LTO-3 Data Cartridge	0043 3216
Tandberg LTO-4 Data Cartridge	0043 3781
Tandberg LTO cleaning cartridge	0043 2631

Tandberg Data ASA  
Kjelsåsveien 161  
0411 Oslo  
Norway

Tandberg Data UK Ltd.  
Bloxham Mill Business Park  
Barford Road  
Bloxham – Banbury  
Oxfordshire  
OX15 4FF  
United Kingdom

Tandberg Data GmbH  
Feldstrasse 81  
44141 Dortmund  
Germany

Tandberg Data S.A.  
16-18, avenue Morane  
Saulnier – Bât.A  
78941 Vélizy Cedex  
France

Tandberg Data Corp.  
2108 55th Street  
Boulder, CO 80301  
USA

Tandberg Data (Japan) Inc.  
Eitaibashi Eco-Piazza Bldg,  
8th floor  
29-13, Shinkawa 1-chome,  
Chuo-ku  
Tokyo 104-033  
Japan

Tandberg Data (Asia)  
Pte-Ltd  
20 Bendemeer Road  
#04-05 Cyberhub  
Singapore 339914

T +47 (0) 2218 9090  
F +47 (0) 2218 9550

T +44 (0) 8450 706 916  
F +44 (0) 1295 722 801

T +49 (0) 231 5436 - 0  
F +49 (0) 231 5436 - 111

T +33 (0) 139 260 101  
F +33 (0) 134 650 289

Toll Free +1 800 392 2983  
Local (303) 442 4333

T +81 (0) 355 662 871  
F +81 (0) 355 662 875

T +65 (0) 6396 0786  
F +65 (0) 6396 0787

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