



TANDBERG StorageLibrary™ T40

Enabling Enterprise Rich, Attractively Priced, Libraries-For-All

Tandberg StorageLibrary T40 Overview

The Tandberg StorageLibrary T40 is the most competitively positioned midrange tape library in the market, combining high capacity (Up to 32TB*) and performance into a small 4U rack optimized solution, supporting both SCSI and FC connectivity.

Flexible Management backed by Enterprise Management Features

The StorageLibrary T40 was created with flexibility in mind:

- 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 or two separate libraries
- Flexibility to combine half-height and full-height drives according to requirements

When it comes to enterprise management, the StorageLibrary T40 has a user-friendly interface for system setup, control and monitoring. It comes with an integrated barcode reader, remote management features, Import/Export 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 technology has emerged as the dominating technology used in midrange tape automation autoloaders and libraries and is set to grow 9.4% year on year**. Undoubtedly the era of expensive library is coming to an end with the Tandberg StorageLibrary T40 heralding an affordable and realistic alternative.

Five Reasons To Select The Tandberg StorageLibrary T40

Budget constraints

With a base configuration price comparable to some autoloaders, the Tandberg StorageLibrary T40 offers users the lowest entry into truly enterprise storage.

Shrinking backup windows

The StorageLibrary T40 offers enterprise performance including a 2GB fibre connectivity solution with multiple enterprise tools included as standard.

Exponentially growing data

The StorageLibrary T40 offers one of the most dense libraries in the industry by combining up to 40 tapes in only 4U of rack space.

Limited resources

The StorageLibrary T40 has the capability to handle over a month's unattended operation, saving on valuable staff time and salary.

Uncertain future needs

The StorageLibrary T40 was developed with versatility in mind, allowing a flexible upgrade path. Whether you are changing to a next generation drive type or integrating into a SAN, the StorageLibrary T40 has all the features to upgrade with your existing and future infrastructure.

**Gartner Group 2005

— STORAGE LIBRARY™ T40



Product Highlights

- 24/40 slot library suited for environments that need unattended workgroup backup and restore with capacities ranging from 19.2TB* to 32TB*
- Transfer rate up to 1.152TB/h*
- Capacity on demand (COD) function allows users to increase usable capacity easily as data grows
- SCSI & Fibre Channel connectivity
- Highest performance LTO technology available, user friendly and upgrade options for advanced management and intelligent storage networking support

*Assuming 2:1 data compression

TANDBERG DATA —
Securing your Information

Tandberg StorageLibrary T40

Technical Specifications



| Library Configurations | |
|---------------------------------------------------|-------------------------------------------------------------------------|
| Drive Technology | 420LTO (LTO2 half-height) or 840LTO (LTO3 full-height) |
| No. of Drives | 1 to 4 half-height drives / 1 to 2 full-height drives |
| No. of Slots | 24 or 40 |
| Capacity (Native) | 8TB (40 Slots, LTO2) / 16TB (40 Slots, LTO3) |
| Capacity (Compressed) | 16TB* (40 Slots, LTO2) / 32TB* (40 Slots, LTO3) |
| Interface | Ultra 160 SCSI LVD & Native FC (LTO3) |
| Cartridge Loading | Magazine and Mail Slot |
| Mail slot (I/O) port | 0, 3 or 8 |
| Web Administration | Yes |
| Magazine | 4, 2 (12 slots) & 2 (8 slots) |
| Rackmount Option | Standard |
| Barcode Reader | Standard |
| Additional Interface | 100base T Ethernet |
| Customer changeable drives, power supply and fans | Standard |
| Hardware Partitioning | Up to 4 hardware partitions based on no. of magazines or no. of drives |
| Performance & Compatibility | |
| Buffer size | 420LTO: 64MB 840LTO: 128MB |
| Max. Transfer rate (Native) | 4 x 420LTO: 96MB/s 2 x 840LTO: 160MB/s |
| Max. Transfer rate (Compressed) | 4 x 420LTO: 192MB/s* 2 x 840LTO: 320MB/s* |
| File Access Time | 76 seconds |
| Recording Format | LTO2/LTO3 |
| Encoding/Decoding | PRML |
| Digital Speed Matching (DSM) | Yes |
| No. of Tracks | 420LTO: 512 840LTO: 704 |
| Write Compatibility | 420LTO: LTO2, LTO1 840LTO: LTO3 WORM, LTO3, LTO2 |
| Read Compatibility | 420LTO: LTO2, LTO1 840LTO: LTO3 WORM, LTO3, LTO2, LTO1 |
| Physical | |
| Form Factor | 4U |
| Dimensions | 17.75 cm (H) x 44.66 cm (W) x 73.66 cm (D) |
| Weight | 37.7kg (with 2 drives) |
| Environmental | |
| Temperature (Non-operational) | -35 to 60° C |
| Temperature (Operating) | 10 to 35° C |
| Relative Humidity, Operating | 20 to 80% non-condensing |
| Relative Humidity, Non-operational | 10 to 90% non-condensing |
| Power Specification | 100 - 240 VAC |
| Reliability & Certification | |
| Certification marks | CE, UL, C-UL, GS/TUV, VCCI, C-tick |
| Media Durability: Archival life | 30 years |
| Hard Read Error Rate (less than) | 1 x 10 ¹⁷ |
| MTBF | 250,000 hours |
| Warranty | |
| Standard Warranty | 3 Years |

For more information, kindly contact your Tandberg Data sales representative or authorised distributor, or visit www.tandberg.com.sg

*Assuming 2:1 data compression

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