

# Tandberg LTO Autoloader

*The Tandberg LTO Ultrium 1 Autoloader brings you the productivity and security of an automated tape solution, as well as the proven reliability and scalability of LTO technology.*



- Up to 2TB\* storage capacity
- Up to 108GB\*/hr transfer rate
- Fits easily on a desk, in a rack or on top of a server
- Removable magazine for easy storage management
- Optional barcode reader for fast cartridge inventory and data retrieval
- Added security with TapeAlert™
- Supported by all major software suppliers
- 3-year warranty

#### **Unattended Backup – High Speed, Capacity and Reliability**

The Tandberg LTO Ultrium Autoloader is one of the highest capacity (4U half-width) autoloaders available. This highly reliable autoloader contains a single LTO tape drive and holds up to 10 LTO data cartridges supporting random or sequential access. Based on the widely accepted LTO technology renowned for its ultimate reliability, you can be assured that your mission critical data is well protected.

#### **Automated Storage Management – Made Easy**

The Tandberg LTO Autoloader has an easy-to-read LCD readout which provides information about the tape drive, media status, robotics, installation and configuration. The removable cartridge magazine provides easy handling and allows for exchanging weekly backups in one simple step. The Tandberg LTO

Autoloader also supports an automatic drive cleaning feature which does not require operator intervention. In addition, the optional barcode reader provides an inventory of stored data and automated media tracking so that access to stored data is fast and simple.

#### **Integration and Administration – Made Easy**

The Tandberg LTO Autoloader fits easily on a desktop or server and the 4U size allows two units to be placed side by side in a standard 19" rack. With simplistic and comprehensive diagnostics, user-friendly configuration and installation, the Tandberg LTO Autoloader provides the industry's easiest maintenance for the network administrator.

\* Assuming 2:1 data compression. Actual compression ratios achieved depend on the redundancy of data files being recorded.

**TANDBERG DATA**

## TECHNICAL SPECIFICATIONS DRIVE AND MEDIA

DRIVES AND PERFORMANCE	
<b>Drive Type:</b>	<b>LTO - Ultrium 1</b>
Data Capacity Native:	1.0TB
Data Capacity Compressed (2:1):	2.0TB
Transfer Rate Native:	15 MB/s / 900MB/min / 54GB/hr
Transfer Rate Compressed (2:1):	30MB/s / 1.8GB/min / 108GB/hr
SCSI Interface:	Ultra-2 LVD
File Access Time (Avg.):	95 sec from Load Point
Data Compression:	LTO - Data Compression (LTO-DC)
Recording Format:	Multiple-track, linear serpentine
Data Buffer Size:	32 MB
Tape Capacity:	10-cartridge capacity
Media:	LTO Ultrium Generation 1
Tape Length:	1998 feet (609m)
Recording Density:	768 tracks / in
Tracks Per Tape:	384
Operation	
Cartridge Change:	17 sec. maximum
Indicators:	LCD menu display for drive, media, configuration and diagnostic status; power and alarm LEDs
Controls:	4-button keypad; front panel on-off button
Interface:	High density, 68-pin
Reliability	
Hard Error Rate:	1 in 10 <sup>14</sup> bits read
Estimated Archive Life	Up to 30 years
Maintenance:	Head cleaning with LTO cleaning cartridge when indicated by drive
MSBF:	> 50 000 cartridge changes (robotics)
MTBF:	> 220 000 power-on hours (robotics)
MTTR:	< 30 minutes
Physical	
Dimensions:	Width: 8.78 in (22.3 cm); Depth: 23.6 in (59.9 cm); Height: 7.01 in (17.8 cm)
Rack Height:	4u (7 inches / 17.8 cm)
Weight:	39.7 lbs. (18.0 kg)
Environmental	
Electrical:	100-240 VAC; 50-60Hz; 1.3 – 0.5A; Auto Voltage Select
Temperature:	10°C to 38°C operating
Humidity:	20 to 80% RH non-condensing operating 26°C wet bulb temperature maximum
Vibration:	0.2g (10-500 Hz) Operating
Shock:	2G operating
Compliance and Platforms	
Safety:	UL-60950/CUL C22.2 No.950; TÜV EN 60950
Emissions:	FCC, Part 15, Class B; EN 55022, Class B; EN61000-3-2; EN 61000-3-3; IEC5-003, ClassB: CISPR, PUB22; ClassB
Susceptibility:	EN 55024
Certification Marks:	CE, UL, CUL, GS / TUV, VCCI

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