

# TANDBERG 840LTO



## Enhanced Performance & Capacity

The third generation Tandberg 840LTO is designed to help meet the storage challenges faced by IT organizations today. First, there is the enormous growth in data, fueled by business continuity, regulatory compliance and information life cycle management initiatives. Then, there are initiatives to improve IT operations, such as infrastructure simplification, improved administrative productivity and more reliable, cost-effective data protection.

## Lower Total Cost Of Ownership

The high performance and capacity of the Tandberg 840LTO can help reduce the number of tape cartridges, drives and libraries required in a storage environment. Compatibility with prior generations of Ultrium media makes it possible for customers to easily migrate to this new generation.

Offering up to twice the capacity and more than double the performance of the preceding Ultrium 2 generation of drives, the Tandberg 840LTO is designed for integration into servers, desktop enclosures, autoloaders and scalable automated tape libraries.

## Special Features

- Capacity: Up to 800GB\*
- Transfer rate: Up to 160 MB/s\*
- Ultra 160 SCSI LVD interface
- Backward read/write compatibility with LTO 2
- Digital Speed Matching (DSM)
- Enhanced servo positioning
- 3 years warranty

## Enhancements In Third-Generation Drives

The Tandberg 840LTO introduces new features that can help increase throughput, capacity and reliability over previous generation LTO drives while also helping to protect critical data:

- A new **16-channel head design** increases drive performance.
- **Digital Speed Matching (DSM)** is designed to help improve throughput in environments where the host data rate is less than optimal.
- **Reduction of the overall power consumption** from that of previous generation LTO drives.
- A **re-designed head actuator** provides improved read head tracking capability and performance.
- **Enhanced power management** results in reduced heat dissipation and greater operational efficiency than that of previous generation LTO drives.

\* Assuming 2:1 data compression

## Technical Specifications

# Tandberg 840LTO

### TECHNICAL SPECIFICATIONS

#### Characteristics

Tape drive type	LTO Ultrium 3
Capacity	800 GB* / 400 GB
Transfer rate	Up to 160 MB/s* / 80 MB/s
Burst transfer rate	Up to 160 MB/s
Interface	Ultra 160 SCSI LVD
Number of tracks	704
Data cartridge	LTO Ultrium 3
Backward compatibility	Read/Write compatible with Ultrium 2, Read compatible with Ultrium 1
Data compression	SLDC (LTO data compression with ECMA-321)
Rewind speed	Up to 8.0 meters/second
Operating speed	Up to 5.44 meters/second
Maximum locate speed	Up to 8.0 meters/second
Data rate matching	Digital Speed Matching (DSM) from 40MB/s to 80MB/s
Average file access	54 seconds
Average load to BOT	15 seconds
Average unload from BOT	15 seconds
Average rewind time	55 seconds (average Ultrium 2 cartridge)

#### Reliability

MTBF (h)	250,000 @ 100% duty cycle
Error rate (calculated)	1 x 10 <sup>17</sup> bytes per permanent read error
Error rate (validated)	1 x 10 <sup>14</sup> bytes per permanent read error
Error rate (validated)	1 x 10 <sup>13</sup> bytes per permanent write error

#### Dimensions / Weight

Dimensions (Internal Drive)	3.33" H x 5.83" W x 8.33" D (8.5cm x 14.9cm x 21.1cm)
Weight	6.6 lb (3.0 kg)
Dimensions (External Drive)	5.75" H x 6.74" W x 13.11" D (14.6cm x 17.1cm x 33.3cm)
Weight	14.3 lb (6.6 kg)

#### Operating Environment

Operating temperature	50° to 100° F (10° to 38° C)
Relative humidity	20% to 80% (non-condensing)
Electrical power	5V at 3.3A, 12V at 1.1A (steady state)
Power dissipation	10W (idle with cartridge), 28W (read/write)

#### Supported Systems

Microsoft® Windows®2000; Microsoft Windows Server 2003;  
 Sun™ Solaris™ 8, 9; HP-UX Version 11.0, 11i; AIX® Version 4.3.2, 4.3.3  
 Linux® (Red Hat Enterprise Server 3, SUSE Linux Enterprise Server 8)

#### Warranty

Internal/External drive	3 years warranty
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For more information, kindly contact your Tandberg Data sales representative or authorised distributor, or visit [www.tandberg.com.sg](http://www.tandberg.com.sg)

\* Assuming 2:1 data compression

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