

Tandberg 420LTO

Intelligent Data Protection



TANDBERG DATA
Securing your Information

Meets today's shrinking backup windows with very fast transfer rates of up to 48MB/s*

Delivers enterprise-level features at a low cost/GB with capacity up to 400GB* at a cost/GB that's 50% less than LTO1 drives

Ensures reliability and low TCO with low power consumption (18W) and a unique airflow design

Mounts in a standard half-height 5 1/4 inch bay with the industry's most compact LTO form factor

Provides outstanding media environment and advanced preventive maintenance features with Smart Gripper™, Media Management, Tape Alert and automatic head cleaning brush.

Matches host transfer speeds and shortens backup times with Automatic Variable TransferRate

This half-height compact tape drive is the fastest and smallest in its class, delivering the economic value and high performance required for the SMB market.

Fastest, smallest half-height LTO on the market

The Tandberg 420LTO offers extremely fast transfer rates (24MB/sec native, 48MB/sec compressed) with high capacity of 200GB (native) and 400GB (compressed) to minimize backup times. Its compact size (only 8.4 inches deep) provides simple and easy integration into all servers and workstations.

Lowest power consumption for higher reliability

Offering the lowest power consumption (18W operating) among LTO tape drives on the market, the Tandberg 420LTO has a unique airflow design that eliminates the need for a noisy fan and minimizes heat dissipation throughout the drive for greater reliability and increased MTBF.

Easy scalability to protect investments

Fully compliant with the Ultrium LTO2 format, the drive protects a company's investment by offering full read/write compatibility with LTO1 tape drives and media. A five-generation half-height LTO roadmap and backward compatibility insures that your Tandberg LTO data protection solution can scale to future data capacity requirements.

The 420LTO is also available in the Tandberg StorageLoader™, the industry's first 1U LTO autoloader offering up to 3.2TB* of automated storage capacity.

Enterprise-level Performance

The Tandberg 420LTO features an Automatic Variable Transfer Rate to match host transfer speeds and a state of the art Ultra 320 SCSI interface. Combined, these

enterprise-level features provide maximum data throughput and minimize backup and restore times.

Cartridge Environment Secures Data

Tandberg Data's patented "Smart Gripper" technology securely locks the media leader pin to help insure positive tape loading-the cartridge ejects if a non-confirming condition exists.

The drive also includes an embedded media management feature for intelligent diagnostics, tape alerts and an automatic head cleaning brush for advanced preventive maintenance and reduced down times.

Affordable Low Cost per Gigabyte

The Tandberg 420LTO gives small to medium businesses an affordable entry to high performance LTO technology. The 420LTO delivers a low cost per gigabyte that's 50% less than LTO1 tape drives with double the capacity.

Complete Solutions

The 420LTO is available as an internal drive or external tape drive kit. The turn-key kit allow users to get started right out of the box. It includes a data cartridge, cleaning cartridge, SCSI cable, terminator and easy to use backup software.

Designed with Quality in Mind

The Tandberg 420LTO comes with a standard 3 year warranty and is backed by Tandberg Data's more than 25 years of experience in linear tape technology research, design and manufacturing.



Tandberg 420LTO

TANDBERG DATA 
Securing your Information

Technical Specifications

Tape Drive

Technology:	LTO Ultrium 2 Half Height
Capacity Native/Compressed:	Ultrium 2; 200 GB / 400 GB* Ultrium 1; 100 GB / 200 GB*
Transfer Rate Native/Compressed:	Ultrium 2; 24 MBs/48 MBs* Ultrium 1; 16 MBs/32 MBs*
Burst Transfer Rate:	320 MBs
Memory Buffer Size:	64 MB
Data Compression:	LTO-DC (enhanced version of ALDC), In-line hardware compression
Interface:	Ultra320
Data Cartridge:	LTO Ultrium 1 LTO Ultrium 2
Recording Format:	LTO Ultrium 1, LTO Ultrium 2
File Access Time:	76 sec
Tape Alert Compliant:	Yes

Tandberg 420LTO

Reliability

MTBF (hours):	250,000 @ 100% duty cycle
Hard Read Error Rate:	1 x 10 ⁻¹⁷
Head Life:	30 000 tape running hours
Safety Features Embedded:	Self test, error logging and Media Management Diagnostics
Loading Mechanism:	Smart Gripper, Intelligent head cleaning brush

Tape Motion

Tape speed read/write:	LTO Ultrium 2: 166ips; LTO Ultrium 1: 172ips
Wind/rewind both formats:	200ips

Dimensions

Internal drive (H x W x D):	41.3 x 146 x 214 mm (1.625 x 5.75 x 8.4")
Weight:	1.4 kg (3.08 lb)
External drive (H x W x D):	59 x 198 x 257 mm (2.32 x 7.8 x 10.12")
incl. rubber feet:	64.5 x 205 x 257 mm (2.54 x 8.07 x 10.12")
Weight:	2.9 kg (6.38 lb)

Environmental Specifications

Temperature operating:	10° to 40° C (41° to 104° F)
Temperature storage:	-30° to 60° C (-22° to 104° F)
Relative humidity operating (storage):	20% to 80% (5 to 90%)
Maximum Wet Bulb Temperature:	+10°C /hour no condensing

Power Requirements

Power dissipation:	9 W motor not running without/with cartridge inserted (sleep), 18W typical, motor running with cartridge inserted
Internal Drive:	5V - 2.1A, 5V (sleep) - 1.2A, 12V motor running - 0.8A, 12V motor not running (sleep) - 0.1A
External Drive:	100-240 V ac / 0.6-0.3A, 50-60 Hz

Certification

EMC:	FCC, Part 15 Class B; EN55022, Class B; IEC61000-3-2, Class B; CISPR22; Class B, EN 55024
Certification Marks:	CE, UL, C-UL, GS/TUV, VCCI, C-Tick
Safety:	UL-60950/C-UL C22.2 No. 60950; TUV EN 60950

Warranty and support

Internal + external drive:	3 years warranty
----------------------------	------------------

*assuming 2:1 Data Compression

Tandberg Data Corporation

Corporate Headquarters: 13000 Gregg Street Poway, California 92064-7151 **Tel** 858.726.1800 **Fax** 858.726.1801 www.inostor.com

Specifications subject to change without notice. All trademarks are the property of their owners.
©2005 Tandberg Data. All rights reserved.