



Tandberg 420LTO

Intelligent Data Protection

One of the world's fastest and most compact LTO2 drives

The Tandberg 420LTO offers one of the industry's fastest 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) amongst 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 LTO Ultrium2 format, the Tandberg 420LTO tape drive protects a company's investment by offering full read/write compatibility with LTO1 tape drives and media. It is the first LTO tape drive offering from a 5 generation half height value-priced LTO roadmap. 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, as well as a state of the art Ultra 160 SCSI interface, providing maximum data throughput and 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 drive also includes an embedded media management feature for intelligent diagnostics and tape alerts along with an automatic head cleaning brush for advanced preventive maintenance and reduced down times.

Low cost per Gigabyte

An affordable entry-level cost, high performance combined with enterprise-level reliability and features makes the Tandberg 420LTO the best price/performance tape drive in the industry.

Designed with quality in mind

The 420LTO is backed by Tandberg's more than 25 years of experience in linear tape technology research, design and manufacturing.

* 2:1 Hardware Data compression



This half-height compact tape drive is one of
The world's Delivering the economic value
fastest and most compact, and high performance
required for the SMB market.

420LTO
Half Height LTO2 Power

Features and benefits

- Fast transfer rates of up to 48MB*/sec to meet today's shrinking backup windows
- 400GB* capacity at an affordable price delivering low cost/GB with enterprise-level features
- Low power consumption (18W) and unique airflow design to increase reliability and lower TCO
- Compact dimensions to permit mounting in any standard half-height 5 1/4-inch bay
- Automatic Variable Transfer Rate to match host transfer speeds and shorten backup times
- 3 years warranty, free hotline and support

Specification

Tape Drive	LTO Ultrium 2 Half High	
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:	160 MB/s	
Memory Buffer size:	64 MB	
Data Compression:	LTO-DC (enhanced version of ALDC), Inline hardware compression	
Interface:	Ultra160 SCSI LVD	
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	

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, 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)
	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:	9W motor not running (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; IECS-003, 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. 8950; TUV EN 60950	

Warranty

Internal + external drive:	3 years
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* assuming 2:1 hardware compression

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