



Tandberg
220LTO

The affordable entry to high-performance, high-capacity LTO

Why standardize on LTO?

LTO Ultrium and DDS are the only open industry standard technologies on the market today. The Ultrium LTO format has quickly become the market leader overtaking other proprietary technologies such as DLT, AIT and VXA.

A confusing landscape of tape technologies has made the selection of a data storage solution difficult for users who need to backup more than 40GB of data. The announcement of a new Gen 1 LTO tape drive, the Tandberg 220LTO, simplifies the decision. It is the only option available for low cost requirements where capacity growth potential matches the escalating data growth rates that businesses are facing today.

Since its introduction, LTO has been known as the enterprise class technology of choice for medium to large size businesses and in medium and large size libraries. With the introduction of the Tandberg 220LTO, it's no longer just for those high-end applications. Tandberg's 220LTO brings that enterprise-level performance to small and medium businesses at an affordable entry cost. The 220LTO makes it easy for users to standardize on a tape technology that meets today's data capacity requirements and insures future growth potential. LTO's 6 generation roadmap, with 3 generations available today, makes it a clear choice for small to medium businesses.

The Tandberg 220LTO LTO1 HH is an ideal choice for network backup customers where capacity and performance is critical and low cost of ownership is a necessity.

High reliability & speed at very affordable price

Backed by Tandberg's more than 50 years experience in tape recording research and design, the Tandberg 220LTO features the highest transfer rate in its capacity class and the lowest cost per Gigabyte/hour of any tape drive on the market today.

Offering the lowest power consumption among LTO tape drives on the market, the Tandberg 220LTO has a unique airflow design that eliminates the need for a noisy fan and minimizes heat dissipation throughout the drive for greater reliability for both the drive and server.

The Tandberg 220LTO features an embedded media management feature for intelligent diagnostics and Tandberg Data's patented Smart Gripper technology securely locks the media lead-pin avoiding malfunctions when loading the tape into the drive.

The Tandberg 220LTO is compatible with industry standard, multi-sourced LTO media. To achieve the best reliability, Tandberg LTO branded and qualified data cartridges are recommended.



Product Highlights

- 200 GB* Capacity and 115 GB/h* transfer rate
- The Tandberg 220LTO has the lowest cost per GB per hour of any tape drive in its class
- Built on OEM-endorsed LTO open industry standard technology
- Scalable to 400GB native capacity today, the LTO roadmap offers a 6 generation migration path of up to 3.2TB native capacity
- The 220LTO is up to 60% faster than DLT-V4 and has almost three times more capacity than DAT72
- Extremely affordable media cost for a low TCO

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Specification

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Tape Drive

Technology:	LTO Ultrium 1 Half Height
Capacity Native/Compressed:	Ultrium 1; 100 GB / 200 GB*
Transfer Rate Native/Compressed:	Ultrium 1; 16 MBs/32 MBs*
Burst Transfer Rate:	160 MBs
File Access Time:	76 sec
Memory Buffer Size:	64 MB
Data Compression:	LTO-DC (enhanced version of ALDC), In-line hardware compression
Interface:	Ultra160
Data Cartridge:	LTO Ultrium 1
Recording Format:	LTO Ultrium 1
Number of tracks:	384 data tracks (LTO1)
Tape Alert Compliant:	Yes

Tape Motion

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

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 Diagnostic
Media Loading Mechanism:	Smart gripper

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 140° 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 ClassB; 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. 60950; TUV EN 60950

Warranty and support

Internal + external drive:	3 years warranty, free multi-lingual professional support hotline, and 1 year Advanced Replacement Service **
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* Assuming 2:1 compression

** Availability dependent on location

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ULTRIUM
LTO

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