

LTO Tape Media

What could be more important than protecting your data?

Tandberg Data LTO tape drive, automation and media products are designed for small and medium-sized businesses, to deliver the best combination of performance, durability, reliability and value for the money. Tandberg Data LTO tape drives are optimised for use with Tandberg Data LTO media to deliver exceptional performance and reliability.

The most important factor about performing backups is that you can restore data at a later date. The success of any restore operation is dependent upon many factors but mainly the quality of the media and the media handling procedures in use. Tandberg Data LTO media is subject to stringent quality controls to ensure maximum performance, reliability and compatibility with other vendor LTO tape drives.

Tandberg Data offers a selection of media products and services to simplify data protection and compliance requirements, including custom and non-custom barcode labeling services and library media packs for easy handling and safe transportation of data off site.

Tandberg Data custom barcode-labeled data cartridges allow customers to specify the exact barcode sequence and colour printed on each label. Custom barcode-labeled orders are built to order with a lead time of 1 week. Tandberg Data non-custom barcode labeled data cartridges contain a random sequence allowing labeled data cartridges to be shipped very quickly because no customisation is required.

Media Care and Handling

To achieve maximum tape media life, users must ensure that media is operated and stored as per the environmental specification. Tape media should be kept away from strong magnetic fields to avoid the risk of data loss. Operating a tape drive within a dirty or dusty environment may affect reliability and could reduce the tape drive and media life. The life of each tape media depends on the way it is utilized and stored, as such we recommend that customers replace daily backup tapes every 12 months.



Key Benefits

- ▬ **High Capacity**
 Up to 3TB* of data on a single cartridge
- ▬ **Leading Performance**
 Up to 1TB/hr* reducing backup and restore times
- ▬ **Reliability**
 Stringent testing ensures maximum reliability
- ▬ **Flexibility**
 A choice of media products and services including barcode labeling and library packs
- ▬ **Lowest Storage Cost**
 LTO media delivers the lowest storage cost/GB of any media
- ▬ **Archiving**
 LTO media archival life of 30 years
- ▬ **Warranty**
 Limited lifetime warranty (typically 30 years)

* Assumes a 2:1 compression ratio





Tandberg Data LTO tape drive and automation products are optimised for use with Tandberg Data LTO media.

Specifications

LTO Media Compatibility

TAPE FORMAT	LTO-1	LTO-2	LTO-3	LTO-4	LTO-5
LTO-1	R/W	R/W	R		
LTO-2		R/W	R/W	R	
LTO-3			R/W	R/W	R
LTO-4				R/W	R/W
LTO-5					R/W

Basic Specifications

Storage Capacity	100GB / 200GB*	200GB / 400GB*	400GB / 800GB*	800GB / 1600GB*	1.5TB / 3.0TB*
Transfer Rate	Up to 40 MB/s*	Up to 80 MB/s*	Up to 120 MB/s*	Up to 240 MB/s*	Up to 280 MB/s*
Number of Tracks	384	512	704	896	1280
Cartridge Memory	4MB	4MB	4MB	8MB	8MB

Magnetic Properties

Magnetic Particle	Super Finavinx (Metal)	Super Finavinx (Metal)	Super Finavinx (Metal)	Super Finavinx (Metal)	Super Finavinx (Metal)
Linear Recording Density	4.88kbpmm	7.4kbpmm	9.64kbpmm	12.72kbpmm	14.68kbpmm
Coercivity	171kA/m	171kA/m	207kA/m	215kA/m	220kA/m

Dimensions

Cartridge Dimensions	102.0 × 105.4 × 21.5mm	102.0 × 105.4 × 21.5mm	102.0 × 105.4 × 21.5mm	102.0 × 105.4 × 21.5mm	102.0 × 105.4 × 21.5mm
Tape Width	12.65mm	12.65mm	12.65mm	12.65mm	12.65mm
Tape Thickness	8.9µm	8.9µm	8µm	6.6µm	6.4µm
Tape Length	609m	609m	680m	820m	846m

Operating Environment

Temperature	10° - 45°C	10° - 45°C	10° - 45°C	10° - 45°C	10° - 45°C
Humidity	10 - 80%**	10 - 80%**	10 - 80%**	10 - 80%**	10 - 80%**
Maximum Wet Bulb Temp.	26°C	26°C	26°C	26°C	26°C

Storage Environment

Temperature (Short-term)	16° - 32°C	16° - 32°C	16° - 35°C	16° - 35°C	16° - 35°C
Temperature (Archive)	16° - 32°C	16° - 32°C	16° - 25°C	16° - 25°C	16° - 25°C
Humidity (Short-term)	20 - 80%**	20 - 80%**	20 - 80%**	20 - 80%**	20 - 80%**
Humidity (Archive)	20 - 80%**	20 - 80%**	20 - 50%**	20 - 50%**	20 - 50%**

Media Life

Durability (Nominal)	1,000,000 passes
Archival-Life	30 years
Warranty	Limited lifetime warranty (typically 30 years)

* Assumes a 2:1 compression ratio

**Without dewing, dimensional specifications are nominal

About Tandberg Data

Tandberg Data is a leading global supplier of data protection solutions for small and medium-sized businesses. The company's wide range of cost-effective storage products and services provides customers with best-in-class tape, disk, removable disk and software solutions for backup, archiving and disaster recovery. These solutions are marketed through a global channel of qualified resellers, distributors and major server OEMs. An extensive service and support network supports all Tandberg Data products worldwide.

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