

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 optimized 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 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 customization 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 optimized for use with Tandberg Data LTO media.

Specifications

| LTO Media Compatibility | 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.

DS-LTOMedia_US_2012

Tandberg Data GmbH
Feldstrasse 81
44141 Dortmund
Germany
Tel: 00 800 8263 2374 (00 800 TANDBERG)
Fax: +49 (0) 231 5436 - 111
salesemea@tandbergdata.com
www.tandbergdata.com/emea

Tandberg Data Corporation
10225 Westmoor Dr., Ste. 125
Westminster, CO 80021
USA
Tel: (800) 392-2983 Toll Free
Fax: 303.417.7170
sales@tandbergdata.com
www.tandbergdata.com/us

Tandberg Data (Asia) Pte Ltd
Trivex Building,
8 Burn Road, #09-02/03
Singapore 369977
Tel: +65 6593 4700
Fax: +65 6281 7358
salesapac@tandbergdata.com
www.tandbergdata.com/apac

Tandberg Data (Japan) Inc.
Dai 6 Ito Building 5F,
4-4-7 Ebisu, Shibuya-ku,
Tokyo, 150-0013
Tel: +81 3 5475 2140
Fax: +81 3 5475 2144
TDJ_sales@tandbergdata.com
www.tandbergdata.com/jp