

# Tandberg Data LTO Half Height Drive

*Leading Performance and Capacity*

## Tandberg Data LTO tape drives help small and medium-sized business users manage data growth and save storage costs.

Tape forms the last line of defence in data protection and is trusted by many organizations. Today IT administrators are constantly struggling to manage data growth with limited budgets and as a consequence they are increasing the risk of data loss. Research has shown that 90% of organisations that suffer complete data loss go out of business within 12 months.

More than 80% of digital data is never or rarely accessed six months after creation. By migrating or archiving obsolete data from disk to tape, organisations can free up valuable disk storage, lessen backup/restore times, speed up applications, reduce downtime and simplify data protection and management tasks. As a rule of thumb LTO tape is typically 15x times cheaper than disk and is the most economical way for businesses to protect and manage their constantly expanding amounts of digital data.

The sixth generation of LTO tape drive from Tandberg Data stores up to 6.25TB of compressed data on a single data cartridges. It incorporates technology enhancements that provide improved performance, security and reliability and extended years of use. To simplify data migration from disk to tape, Tandberg Data LTO-5/6 tape drives support LTFS (Linear Tape File System), which allows users to connect and use tape drives just like a large hard disk.

Tandberg Data's extensive product testing program ensures that LTO drives are fully compatible with a wide range of servers, operating systems and backup software. The superior service and support offers fast response time and high business availability. Protect your business data for tomorrow with a Tandberg Data tape solution today.



## Key Benefits

- ▬ **Low Storage Cost**  
 LTO provides the lowest cost per GB of any medium
- ▬ **Business Efficiency**  
 Manage less data, reduce downtime and speed up applications
- ▬ **Ease of Use**  
 Simplify data migration with LTFS
- ▬ **Long-Term Archiving**  
 30-year archival life
- ▬ **Security**  
 Protect your data from unauthorized access
- ▬ **Superior Warranty**  
 3-year Advance Replacement Service Warranty\*

\* Availability dependent on location





Tandberg Data offers the widest range of tape drive and tape automation products for the SMB market.



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## Specifications

	Tandberg Data LTO-3 HH	Tandberg Data LTO-4 HH	Tandberg Data LTO-5 HH	Tandberg Data LTO-6 HH
Capacity (native/compr.)	400GB / 800GB*	800GB / 1.6TB*	1.5TB / 3.0TB*	2.5TB / 6.25TB*
Transfer Rate (native/compr.)	60 MB/s / 120 MB/s*	80 MB/s / 160 MB/s*	140 MB/s / 280 MB/s*	160 MB/s / 400 MB/s*
Dynamic Speed Matching	20–60 MB/s / 40–120 MB/s*	33–80 MB/s / 66–160 MB/s*	47–140 MB/s / 94–280 MB/s*	54–160 MB/s / 135–400 MB/s*
Memory Buffer Size	128MB	128MB	256MB	512MB
Data Access Speed	64 sec.	64 sec.	52 sec.	50 sec.
Data Compression	1KB (2:1)	1KB (2:1)	1KB (2:1)	16KB (2.5:1)
Encryption	N/A	AES 256-bit	AES 256-bit	AES 256-bit
LTFS	N/A	N/A	Yes (2 partitions)	Yes (4 partitions)
Recording Format	LTO Ultrium 3, LTO Ultrium 2, LTO Ultrium 1 (read only)	LTO Ultrium 4, LTO Ultrium 3, LTO Ultrium 2 (read only)	LTO Ultrium 5, LTO Ultrium 4, LTO Ultrium 3 (read only)	LTO Ultrium 6, LTO Ultrium 5, LTO Ultrium 4 (read only)

### Reliability

MTBF Hours (100% duty cycle)	250,000 hours @ 100% duty cycle
Head Life	60,000 tape running hours
Hard Error Rate	1 x 10 <sup>(-17)</sup> bits

### Environmental Specifications

Temperature (Operating)*	50° – 95°F
Temperature (Non-operating)	-40° – 151°F
Relative Humidity (Operating)	20 – 80% (non-condensing)
Relative Humidity (Non-operating)	10 – 95% (non-condensing)

### Power Requirements

Idle	13 W	13 W	7 W	4 W
Typical	20 W	20 W	20 W	29 W
Maximum	33 W	33 W	33 W	39 W
Power Supply/ Required (int)	5V DC, 2.5A, 12V, 0.7A	5V DC, 2.5A, 12 V, 0.7A	5V DC, 2.5A, 12 V, 0.7A	5V DC, 3.7A, 12 V, 0.9A
Certification	CSA Certification to C22.2, No. 60950 (cCSAus), TUV EN60950 (IEC 60950), CE Declaration of Conformity, FCC 47 CFR Parts 15, NOM, VCCI. C-TICK, RRL, BSMI, GOSH CB Certificate and Report (IEC 60950)			

Warranty **3-years Advance Replacement Service Warranty\*\***

### Dimensions

Physical Internal / External (HxWxD)	1.6 x 5.7 x 8.1 in (4.1 x 14.5 x 20.6 cm) / 3 x 8.8 x 11.7 in (7.7 x 22.3 x 29.5 cm)
Shipping Internal / External (HxWxD)	7.9 x 9.4 x 11.4 in (20 x 24 x 29 cm) / 9.4 x 12.2 x 15.4 in (24 x 31 x 39 cm)

### Weight

Weight Out of box, Internal	3.2 lb (1.45 kg)
Out of box, External	10.3 lb (4.65 kg)
Shipping, Internal	5.1 lb (2.3 kg)
Shipping, External	11 lb (5 kg)

\* Assumes compression ratio 2:1 on LTO-2/3/4/5 & 2.5:1 on LTO-6

\*\* Availability dependent on location

‡ The LTO-5 HH FC external tape drive should not be operated in an environment where the temperature is greater than 35°C (95°F).

### About Tandberg Data

Tandberg Data is a wholly owned subsidiary of Overland Storage, Inc. and 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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Overland Storage  
9112 Spectrum Center Blvd.  
San Diego, CA 92123  
USA

Tel: (858) 571-5555  
Fax: (858) 571-3664  
sales@overlandstorage.com  
www.overlandstorage.com

Tandberg Data U.S.  
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 EMEA  
Feldstrasse 81  
44141 Dortmund  
Germany

Tel: 00 800 8263 2374 (00 800 TANBERG)  
Fax: +49 (0) 231 5436 - 111  
salesemea@tandbergdata.com  
www.tandbergdata.com/emea

Tandberg Data APAC  
8 Cross Street, #28-00  
PWC Building  
Singapore 048424

Tel: (65) 6850 7820  
Fax: (65) 6850 7889  
salesapac@tandbergdata.com  
www.tandbergdata.com/apac