

Tandberg Data LTO Full Height Drive

Leading Performance and Capacity
Maximum Reliability

Tandberg Data LTO FH tape drives offer the best performance and maximum reliability for small and medium-sized business users.

LTO technology makes it easy for users to standardize on a tape technology that meets today's data capacity requirements and can cope with future demands. LTO Ultrium is the industry standard and market leader. The six-generation roadmap ensures that data written today can be restored in later years.

The Tandberg Data family of LTO tape drives is the first choice for data protection for many small and medium-sized businesses with midrange and network storage environments. Tandberg Data LTO tape drives are available with a choice of capacities, 400GB*, 800GB*, 1.6TB* or 3TB*.

Tandberg Data LTO tape drives offer industry leading performance up to 1TB/hr* (280MB/sec*), reducing backup and restore times to a minimum. Tandberg Data provides a range of LTO HH and FH models including internal, external and rackmount configurations, with a choice of either SCSI, SAS or FC connectivity.

Tandberg Data LTO tape drives incorporate dynamic variable tape speed matching, allowing drives to constantly adapt speed to match the host/server data rate. This virtually eliminates "backhitching" or "shoe-shining," improving media life and reliability of backup and restore operations while reducing wear and tear on the tape drive. The advance air cooling design combined with low power consumption reduces IT costs and your carbon footprint.

Tandberg Data LTO-5 tape drives include a partitioning feature, which allows the tape drive to operate just like a large hard disk. The partitioning feature greatly simplifies archiving and the cost of long-term data storage as such it should become highly used within the video and broadcasting market.

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. Protect your business data for tomorrow with a Tandberg Data solution today.



Key Benefits

- High Capacity**
 Up to 3TB* of data on a single cartridge
- Leading Performance**
 Up to 1TB/hr* reducing backup and restore times
- Lower Storage Costs**
 LTO offers the lowest storage cost of any medium
- Archiving**
 LTO provides safe and secure storage of data for up to 30 years
- Reliability**
 MTBF of 250,000 hrs. at 100% duty cycle
- Security**
 Protect your data with AES 256-bit Encryption (LTO-4 and 5 only)
- Minimize Downtime**
 3-year warranty and 3-years Advanced Replacement Service**

* Assumes a 2:1 compression ratio

** Availability dependent on location



LTO-4 FH and LTO-5 FH technology, with native capacities of 800GB and 1.5TB, high performance and maximum reliability.

Specifications

	LTO-4 Full Height	LTO-5 Full Height
Capacity (native/compr.)	800GB / 1.6TB*	1.5TB / 3.0TB*
Transfer Rate (native/compr.)	120MB/s / 240MB/s*	140MB/s / 280MB/s*
Dynamic Speed Matching	30–120MB/s / 60–240MB/s*	47–140MB/s / 94–280MB/s*
Memory Buffer Size	256MB	256MB
Data Access Speed	70 sec.	70 sec.
Interface Type	SCSI U320, SAS 3Gbps, FC 4Gbps	SAS 6Gbps, FC 8Gbps
Interface Connector SCSI	68-pin HD (Internal) 68-pin HD (External)	N/A
Interface Connector SAS	SFF8482 (Internal)	SFF8482 (Internal) SFF8088 (External)
Interface Connector FC	LC-Port	LC-Port
Data Compression (Enhanced version of ALDC)	LTO-DC	LTO-DC
Recording Format (write)	LTO-4 & LTO-3	LTO-5 & LTO-4
Recording Format (read)	LTO-4, LTO-3 & LTO-2	LTO-5, LTO-4 & LTO-3

Reliability

MTBF Hours (100% duty cycle)	250,000 hours	250,000 hours
Head Life	60,000 tape running hours	60,000 tape running hours
Hard Error Rate	1 x 10 ⁽⁻¹⁷⁾ bits	1 x 10 ⁽⁻¹⁷⁾ bits

Environmental Specifications

Temperature (Operating)	10C to 40C (50F to 95F)	10C to 40C (50F to 95F)
Temperature (Non-operating)	-40C to 66C (-40F to 151F)	-40C to 66C (-40F to 151F)
Relative Humidity (Operating)	20 to 80% (Non-condensing)	20 to 80% (Non-condensing)
Relative Humidity (Non-operating)	10% to 95% (Non-condensing)	10% to 95% (Non-condensing)

Power Requirements

Idle	13 W	6.9 W
Typical	20 W	20 W
Maximum	33 W	33 W
Power Supply/ Required (int)	5V DC, 2.5A, 12V, 0.7A	5V DC, 2.5A, 12V, 0.7A

Certification

Warranty	3 years Advanced Replacement Service**	3 years Advanced Replacement Service**
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Form Factor	Internal	External	Internal	External
Height:	8.5cm (3.33 in)	14.6cm (5.75 in)	8.3cm (3.24 in)	12.0cm (4.7 in)
Width:	14.9cm (5.83 in)	17.1cm (6.74 in)	14.6cm (5.7 in)	21.8cm (8.6 in)
Length:	21.1cm (8.33 in)	33.3cm (13.1 in)	20.7cm (8.2 in)	29.7cm (11.7 in)
Weight:	3.0kg (6.6 lbs)	6.1kg (13.4 lbs)	2.24kg (4.9 lbs)	5.6kg (12.2lbs)

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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