

StorageTek LTO Tape Drives

ORACLE® STORAGETEK



KEY FEATURES

- Cost-effective capacity. Store up to 6.0 TB of native data on a single cartridge, reducing media costs while accommodating data growth.
- Reduced backup windows. Accelerate backups by processing more information in less time. The StorageTek LTO 7 tape drive moves data at rates as high as 300 megabytes per second, uncompressed.
- Enhanced data protection. Protect data integrity and help prevent data loss with powerful correction and verification capabilities.
- Encryption capability. Encrypt data on the tape cartridge via the drive's built-in data encryption capability, and, in the event of tape cartridge loss, data is still protected.
- WORM-capable. Secure, manage, and archive critical data records using WORM-capable media.
- Support for media partitioning. StorageTek LTO specifications support two media partitions to allow for faster data access.

Today's continuous business environment requires that you back up more data in less time. Oracle's StorageTek LTO tape drives offer an economical, high-performance option for midrange tape automation environments.

Store, Manage, and Protect Growing Data

StorageTek LTO tape drives feature fast data transfer rates and large capacity so you can process more data in less time. The high-speed FC interface further improves data movement, shortens backup windows, reduces downtime, and speeds recovery. Combined with StorageTek tape libraries, you can easily and affordably store, manage, and protect your growing data.

Oracle offers StorageTek LTO tape drives in SAS or FC interfaces, in full- and half-height platforms, and as single drives or within an automation environment. You choose the model that makes the most sense for your operating environment, application, capacity, and performance. The FC interface available in automation products allows connections to new or existing SANs. Oracle's scalable tape automation solutions are designed to accommodate whatever drive and interface you choose.

Protect Your Investment with a Solid Upgrade Path

StorageTek LTO tape drives support two-generation backward compatibility so you can make the most of your technology investment. Their open format supports a wide variety of media suppliers and automation systems. And the LTO Compliance Verification Entity, an independent company, verifies interchange across LTO vendors and product generations.

Simplify Storage Management

Oracle's StorageTek LTO tape drives are compatible with leading backup and management software and hardware platforms, helping you to stretch your infrastructure investment. Choose Oracle's StorageTek LTO Ultrium tape cartridges to accompany your tape purchase. All of Oracle's media is thoroughly tested for interoperability between applicable drives and StorageTek libraries.

Engage the Storage Experts

Oracle service professionals help you address storage challenges by delivering integrated services and solutions that optimize and manage storage performance over

the life of your data. Oracle's recognized, world-class service and customer care give you confidence that your technology investment is protected and that your business will be responsive to change. Oracle's storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require. In addition, you can make your storage solution decisions even stronger with one of the largest selections of high-performance tape media in the industry.

STORAGETEK LTO TAPE DRIVE SPECIFICATIONS

Performance	StorageTek LTO 7 Half-Height	StorageTek LTO 7 Full-Height	StorageTek LTO 6 Half-Height	StorageTek LTO 6 Full-Height
Tape load and thread to ready	13 sec	11 sec	13 sec	12 sec
Average file access time (first file)	59 sec	56 sec	56 sec	49 sec
Maximum/ average rewind time	113 / 62 sec	108 / 58 sec	107 / 57 sec	92 / 50 sec
Unload time	22 sec	19 sec	21 sec	17 sec
Data transfer rate, native (uncompressed)	300 MB/sec	300 MB/sec	160 MB/sec	160 MB/sec
Capacity				
Capacity, native (uncompressed)	6.0 TB	6.0 TB	2.5 TB	2.5 TB
Capacity, native (compressed 2.5:1)	15.0 TB	15.0 TB	6.25 TB	6.25 TB
Availability				
Uncorrected bit error rate	1x10 ⁻¹⁹	1x10 ⁻¹⁹	1x10 ⁻¹⁷	1x10 ⁻¹⁷
Compatibility				
Interface (SAS)	6 Gb SAS	N/A	6 Gb SAS	N/A
Interface (FC)	8 Gb FC	8 Gb FC	8 Gb FC	8 Gb FC
Read/write compatibility	LTO 7 and LTO 6 read/write, LTO 5 read only	LTO 7 and LTO 6 read/write, LTO 5 read only	LTO 6 and LTO 5 read/write, LTO 4 read only	LTO 6 and LTO 5 read/write, LTO 4 read only
Emulation modes	StorageTek LTO 7	StorageTek LTO 7	StorageTek LTO 6	StorageTek LTO 6
Mechanical				
Desktop dimensions (W x H x D) (cm)	N/A	N/A	22.50 x 7.90 x 29.79	N/A
Desktop weight	N/A	N/A	8.0 kg	N/A
Rackmount dimensions (W x H x D) (cm)	48.0 x 4.3 x 45.4	N/A	48.3 x 4.44 x 64.1	N/A
Rackmount weight	7.1 kg	N/A	9.52 kg	N/A
Tape drive dimensions (W x H x D) (cm)	14.80 x 4.27 x 22.80	14.83 x 8.48 x 21.05	14.47 x 4.06 x 20.57	14.47 x 8.38 x 20.82
Tape drive weight	1.7 kg	2.9 kg	1.45 kg	2.24 kg
Environmental				
Temperature: operating	+50°F to +104°F (+10°C to 40°C)	+50°F to +104°F (+10°C to 40°C)	+50°F to +104°F (+10°C to 40°C)	+50°F to +104°F (+10°C to 40°C)
Temperature: storage	-40°F to +140°F (-40°C to +60°C)	-40°F to +140°F (-40°C to +60°C)	-40°F to +140°F (-40°C to +60°C)	-40°F to +140°F (-40°C to +60°C)
Temperature: recommended operating	+68°F to +77°F	+68°F to +77°F	+68°F to +77°F	+68°F to +77°F

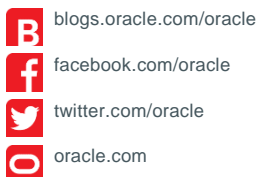
	(+20°C to 25°C)	(+20°C to 25°C)	(+20°C to 25°C)	(+20°C to 25°C)
Relative humidity: operating	20% to 80%	20% to 80%	20% to 80%	20% to 80%
Relative humidity: storage	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Relative humidity: recommended operating	40% to 50%	40% to 50%	40% to 50%	40% to 50%
Power				
Desktop	N/A	N/A	100–240 V AC 50/60 Hz 0.7 A max. Autoranging power connection IEC 320	N/A
Rackmount	+5 V at 4.0 A typical +12 V at 1.0 A typical +5 V at 4.5 A (max.) +12 V at 3.5 A (max.)	N/A	+5 V at 3.5 A typical +12 V at 1.0 A typical +5 V at 4.5 A (max.) +12 V at 2.0 A (max.)	N/A
Automation	Varies depending on library configuration	Varies depending on library configuration	Varies depending on library configuration	Varies depending on library configuration

CONTACT US

For more information about Oracle's StorageTek LTO tape drives, visit oracle.com/goto/tape or call +1.800.ORACLE1 to speak to an Oracle representative.



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