

STORAGETEK T10000 TAPE CARTRIDGE

KEY BENEFITS

- **Save valuable floor space.** Store up to 1 TB of uncompressed data per standard cartridge and 240 GB per Sport cartridge.
- **Extend media durability.** Enhance data protection with a unique hub lock design and the StorageTek T10000 tape cartridge SafeGuide system.
- **Reduce costs.** Minimize tape mounts and improve automation efficiency with a low-cost-per-gigabyte, high-end, half-inch storage medium.
- **Protect storage investments.** Reformat and reuse StorageTek T10000 tape cartridges with the next-generation tape drive to take advantage of capacity and throughput improvements.
- **Boost confidence in business-critical applications.** Enhance data backup and restore, archiving, and disaster recovery operations with performance-tested tape cartridge durability and longevity.

Oracle's StorageTek T10000 tape cartridge works in tandem with the StorageTek T10000 or StorageTek T10000B tape drive to address issues related to data growth, security, manage-ability, and cost.



StorageTek T10000 tape cartridges

Store Far More in the Same Footprint

With 1 TB native capacity, the StorageTek T10000 tape cartridge stores more data in the same footprint. Using a 2:1 compression ratio, the StorageTek T10000 tape cartridge can store up to 2 TB of data to help you meet rapidly growing data storage requirements. Ultrahigh capacity makes the StorageTek T10000 tape cartridge ideal for all high-volume backup, archiving, and disaster recovery applications.

Increase the Security of Your Data

The StorageTek T10000 tape cartridge SafeGuide system increases data security and includes features that can increase reliability and extend media life. A unique hub lock stabilizes media within the cartridge shell. A redesigned buckler mechanism securely attaches the cartridge leader to the drive leader. A long tape path guides the media more accurately and reduces tension on the tape. Tension can reduce the life of heads and media. Data integrity is enhanced because the tape guides and rollers guide the media on its backside and do not contact the recording surface. The rollers also enhance stability by minimizing lateral tape motion.

Data security is further enhanced by StorageTek VolSafe tape cartridge secure media technology, which provides write once, read many (WORM) protection. StorageTek VolSafe technology provides physical, visual, and electronic features to differentiate it from non-StorageTek VolSafe technology.

Simplify Tape Operations

Simpler tape operations can improve access to data. With the same physical size as the StorageTek 9840 and StorageTek 9940 tape cartridges, the StorageTek T10000 tape cartridge integrates simply and easily with your current StorageTek automated tape systems. The cartridges are system tested for use with the StorageTek T10000 and StorageTek T10000B tape drives, as well as Sun tape automation systems and software from Oracle and many third-party providers.

The StorageTek T10000 tape cartridge can also help you use staff resources more efficiently. StorageTek T10000 tape cartridges can be labeled prior to delivery with volume serial number (VOLSER) labels, then initialized and verified with a triple quality check.

Prelabeling typically reduces the occurrence of operational intervention caused by poorly applied labels. The StorageTek T10000 tape cartridge includes an RFID tag that provides cartridge redundancy data such as VOLSER, file directories, and other data for improved data recovery and faster data access.

Protect Your Investment and Reduce Total Cost of Ownership

The StorageTek T10000 tape cartridge lowers TCO through media reusability, higher cartridge capacity, and cartridge durability.

The StorageTek T10000 tape cartridge can be used in both the StorageTek T10000 and T10000B tape drives. The tapes written in the StorageTek T10000 tape drive can be rewritten in the StorageTek T10000B tape drive at double the capacity, enabling media reuse across two generations of tape drives. As a result, you can extend initial media investment across two generations of drives.

Each StorageTek T10000 tape cartridge can store more than twice as much data as the previous-generation tape cartridge. Accordingly, you might be able to buy fewer cartridges and conserve valuable floor space compared to your current tape technologies.

Cartridge replacement due to damage or wear and tear can be an unexpected cost. The StorageTek T10000 tape cartridge is built for long-term, cost-effective use. The heavy-duty shell of the StorageTek T10000 tape cartridge, along with a lockable cartridge hub, reduces the risk of damage to data and ensures maximum level of protection for media.

Engage the Storage Experts

Oracle's StorageTek service professionals can help you address storage challenges by delivering integrated solutions that optimize and manage storage performance over the life of your data. Oracle's services protect your technology investment and ensure your business will be responsive to change. To help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets, Oracle's service offerings deliver solutions that address regulatory concerns, complex storage growth, and resource management.



Media Conversion Services

The following media conversion services help you protect your media storage investments.

- Tape, optical, and disk conversions:
 - Digital data conversion services convert existing data to more-accessible, less-costly platforms
 - Media conversion from old to new technology
- Convert older, lower capacity tapes to higher capacity tapes:
 - Tape consolidation services
- Consolidate large amounts of offsite data to reduce risk, increase accessibility, and support compliance:
 - Optical conversion services convert WORM optical to WORM tape using StorageTek VolSafe tape cartridge technology
 - Tape and optical copy and conversion services include tape volume and data set stacking
- Convert tape and optical media to help reduce cost and risk of data loss with a lower number of tapes

StorageTek T10000 Tape Cartridge Specifications

Specifications	
Formulation	Advanced metal particle
Tape length and thickness	3008.5 ft. (917 m) and 6.5 µm
Substrate	Polyethylene naphthalate
Track-following servo	Factory prerecorded
Capacity	
Capacity, native (uncompressed)	<ul style="list-style-type: none"> • 500 GB (StorageTek T10000) / 1 TB (StorageTek T10000B) standard cartridge • 120 GB (StorageTek T10000) / 240 GB (StorageTek T10000B) Sport cartridge
Availability	
Archival life	30 years
Uncorrected bit error rate	1x10 ⁻¹⁹
Loads/unloads	15,000
Compatibility	
Supported tape drives	<ul style="list-style-type: none"> • StorageTek T10000 • StorageTek T10000B
Number of tracks	768 (T10000), 1152 (T10000B)
Form factor	Half-inch, 3480/3490E

Mechanical	
Height	1.0 in. (2.54 cm)
Depth	4.92 in. (12.50 cm)
Width	4.29 in. (10.90 cm)
Weight	9.31 oz. (263.9 g)
Drop strength	39.4 in. (1 m)
Environmental	
Relative Humidity	
Operating	20%–80%
Storage up to four weeks	5%–80%
Storage, archive	15%–50%
Shipping	5%–80%
Temperature (Noncondensing)	
Operating	+59°F to +90°F (+15°C to +32°C)
Storage up to four weeks	+50°F to +90°F (+10°C to +32°C)
Storage, archive	+59°F to +79°F (+15°C to +26°C)
Shipping	– 9°F to +120°F (– 23°C to +49°C)
Wet Bulb Maximum	
Operating	+78.8°F (+26°C)
Storage up to four weeks	+78.8°F (+26°C)
Storage, archive	+78.8°F (+26°C)
Shipping	+78.8°F (+26°C)

Warranty

Visit oracle.com/sun/warranty for Oracle's global warranty support information on Sun products.

Services

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Contact Us

For more information about Oracle's StorageTek T10000 tape cartridge, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



Oracle is committed to developing practices and products that help protect the environment

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