

Sun StorageTek™ SDLT and DLT-S4 tape drives



Highlights

• Investment leverage

Make the most of your technology investment. Sun StorageTek™ DLT-S4 tape drives are backward-read compatible with tapes written on both SDLT 320 and SDLT 600 drives.

• SAN-ready connectivity

Native Fibre Channel connectivity and support for common networking topologies with StorageTek SDLT 600 and DLT-S4 tape drives.

• WORM capability

Write once, read many (WORM) technology provides unique capability to utilize standard media for both your backup/archiving and your regulatory compliance initiatives.

• Flexible interfaces

StorageTek SDLT and DLT-S4 tape drives are available in SCSI or FC interfaces — as single drives for desktop use and rack-mounting, or in conjunction with applicable tape automation products.



Change is constant, inside and outside your organization. Increased data storage volumes and regulatory compliance factors tug at your shrinking IT budget. Why can't there be a way to manage the new demands and still continue to get value from the technology you're already using?

There is: You can meet your growing business and performance requirements with the expansion-friendly Sun StorageTek™ SDLT and DLT-S4 family of tape drives. StorageTek SDLT and DLT-S4 tape drives extend the value proposition of DLT tape storage for midrange companies. These drives are designed for customers who have standardized on DLT or SDLT formats. They also offer more than enough performance to keep up with most storage system infrastructures, and the ability to scale from a single drive to an automation system.

Protect your investment with a tested upgrade path

Sun StorageTek SDLT and DLT-S4 tape drives support backward compatibility so you can make the most of your technology investment. The StorageTek SDLT 600 tape drive is backward-read compatible with the StorageTek SDLT 320, and the StorageTek DLT-S4 tape drive is backward-read compatible with both the StorageTek SDLT 600 and SDLT 320 tape drives. The StorageTek SDLT 320 tape drive is backward-read compatible with DLTtape IV media written by DLT 4000, DLT 7000 and DLT 8000 drives, and it is both backward-read and backward-write compatible with SDLT I media in the SDLT 220 format.

Flexible interfaces

Sun offers StorageTek SDLT and DLT-S4 tape drives in SCSI or FC interfaces. They are available as single drives for desktop use and rack-mounting, or in conjunction with applicable tape automation products.

You choose the model that makes the most sense for your operating environment, application, capacity point, and performance needs. The Fibre Channel interface available in automation products allows connections to new or existing SANs.

Compliance-friendly

The StorageTek SDLT and DLT-S4 drives are a perfect fit for disk-to-disk-to-tape (D2D2T) architectures and situations for which the priority is economical storage density. DLTsage WORM (write once, read many) technology is a feature designed to support your security and compliance initiatives. Standard media can be used for both WORM and non-WORM applications, so you can simplify planning and carry out compliance or security initiatives, even on the fly.

Sun StorageTek media

Sun StorageTek media is known for its reliability. When you choose Sun as your media supplier, you choose the company that

stores and protects 37 percent of the world's archived data. Give your storage solution decisions even more power by accessing one of the largest selections of high-performance tape media in the industry today. StorageTek tape media features a comprehensive warranty that puts a world-class service organization behind your entire Sun storage solution. So you can have a single source for both quality tape media and reliable service. For easy ordering or to speak with a Sun U.S. media sales representative, call 1-877-STK-TAPE. Or email: for the United States: us.mediaorders@sun.com or for Europe and the Middle East: emea.mediaorders@sun.com.

About Sun

A singular vision, The Network is the Computer™, drives Sun in delivering industry-

leading technologies that focus on the whole system — where hardware, software, and services combine. With a proven history of sharing, building communities, and innovation, Sun creates opportunities, both social and economic, around the world. You can learn more about Sun at sun.com.

Engage the storage experts

Sun StorageTek 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. Our 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. We can help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage

information assets. Our consulting and managed services offer clear and simple choices in solutions that address your regulatory concerns, complex storage growth, resource management, and scalability challenges. Covering over 125 countries, Sun's dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

Learn more

To learn more about Sun StorageTek™ SDLT and DLT-S4 tape drives, talk with your Sun representative or visit http://www.sun.com/storageetek/tape_storage/tape_drives/sdlt

Sun StorageTek™ SDLT and DLT-S4 Tape Drive Specifications

Performance	Sun StorageTek™ SDLT 320 tape drive	Sun StorageTek™ SDLT 600 tape drive	Sun StorageTek™ DLT-S4 tape drive
Access time	70 sec	79 sec	66 sec
Tape load and thread to ready	12 sec	12 sec	20 sec
Unload time	12 sec	19 sec	19 sec
Maximum/average rewind time	140/69 sec	140/69 sec	140/69 sec
Data transfer rate, native (uncompressed)	16 MB/sec	36 MB/sec	60 MB/sec
Burst transfer rate	80 MB/sec	160 MB/sec SCSI, 200 MB/sec FC	320 MB/sec
Capacity			
Capacity, native (uncompressed)	160 GB	300 GB	800 GB
Availability			
Mean time between failures (MTBF)			
Power on	250,000 hr @ 100% duty cycle	250,000 hr @ 100% duty cycle	250,000 hr @ 100% duty cycle
Head life	30,000 hr	30,000 hr	30,000 hr
Uncorrected bit error rate	1x10 ⁻¹⁷	1x10 ⁻¹⁷	1x10 ⁻¹⁷
Compatibility			
Interface	Ultra 2 SCSI	Ultra 2 SCSI or FC-2	Ultra 2 SCSI or FC-2
Read/write compatibility interface	Read/write: SDLT 320 Read only: DLT 4000/7000/8000	Read only: SDLT 320	Read only: SDLT 600/SDLT 320
Mechanical			
Dimensions (internal)	H: 3.24 in. (8.23 cm); W: 5.74 in. (14.58 cm); D: 8.37 in. (21.25 cm)	H: 3.25 in. (8.26 cm); W: 5.75 in. (14.61 cm); D: 8.48 in. (21.54 cm)	H: 3.24 in. (8.23 cm); W: 5.74 in. (14.58 cm); D: 8.37 in. (21.25 cm)
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)
Non-operating	-40° F to +151° F (-40° C to +66° C)	-40° F to +151° F (-40° C to +66° C)	-40° F to +151° F (-40° C to +66° C)
Relative humidity			
Operating	20% to 80%	20% to 80%	20% to 80%
Non-operating	10% to 95%	10% to 95%	10% to 95%
Power			
Voltage	Varies depending on configuration	Varies depending on configuration	+5V, +12V
Power consumption/dissipation (operating maximum continuous — not peak)	58 VA/198 BTU/hr	70 VA/239 BTU/hr	30W typical streaming/writing

Warranty: For Sun's media warranty, go to <http://www.sun.com/service/warranty/storage/TapeMediaWarranties.pdf>.

Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 USA Phone 1-650-960-1300 or 1-800-555-9SUN Web sun.com

© 2007 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, StorageTek, and the Network is the Computer are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.

