

SDLT

Tape Drives

Highlights

- **Dramatically higher capacity**

The Super DLT 600 tape drive delivers an impressive 300-gigabytes-per-cartridge storage capacity — nearly ten times the capacity of the DLT 7000. You can do more with fewer storage resources at a lower storage cost.

- **Advanced performance**

With the 36-megabytes-per-second sustained native data transfer rate of the SDLT 600 — more than seven times faster than the DLT 7000 drive — you can restore a complete MS Exchange Information Store in less than four minutes.

- **SAN-ready**

The SDLT 600 is the first generation of SDLT to offer native Fibre Channel connectivity and support for common networking topologies. Choose either 2-gigabit optical Fibre Channel or Ultra 160 SCSI interfaces.

- **WORM-capable**

The SDLT 600 tape drive and Super DLTtape II media leverage DLTIce, supported by DLTSage, to offer write once read many (WORM) functionality to support compliance and security requirements.

- **Investment protection**

The SDLT 320 is fully backward read compatible with DLTtape IV media providing you with access to previously stored data.



Meet your growing business and performance requirements with the Super DLT family of tape drives. SDLT tape drives extend the value proposition of high-capacity, cost-effective tape storage for midrange companies and are available in both direct-attach and automation configurations. Designed for customers who have standardized on DLT or SDLT formats, SDLT tape drives offer a compelling price-per-stored-gigabyte versus competitive midrange technologies. They also offer more than enough performance to keep up with most storage system infrastructures, plus the ability to scale from a single drive to an automation system. The long-term roadmap for SDLT demonstrates commitment to capacity-centric midrange tape solutions. You can feel confident that you are investing in the right technology.

Increase capacity to keep up with storage demands

Available for use in most StorageTek™ tape libraries from Sun Microsystems, the SDLT 600 tape drive offers an impressive 300 gigabytes of storage capacity per tape cartridge. This dramatic storage increase helps you address both current and future storage requirements. With the optional native Fibre Channel interface, the SDLT 600 can be leveraged effectively in tape automation and SAN environments. For lower capacity requirements, the Super DLT 320 tape drive offers 160 gigabytes of storage.

Keep your data moving fast!

The SDLT 600 tape drive delivers a speedy 36-megabyte-per-second sustained native data transfer rate. This performance rate helps you access the information you need quickly and efficiently. The optional 2-gigabit Fibre Channel interface offers burst speeds up to 200 megabytes per second.

Invest smartly and protect your data

The SDLT 600 is a perfect fit for disk-to-disk-to-tape (D2D2T) architectures and situations for which the priority is economical storage density. DLTIce, supported by the DLTSage architecture, is the technology that provides WORM functionality using the SDLT 600 and Super DLTtape II media. Standard media can be used for both WORM and non-WORM applications, so you can simplify planning and obtain on-the-fly secure storage. Implemented with DLTSage, the SDLT 600 provides predictive and preventative diagnostic features that enable you to manage your tape storage environment more easily. You can, for example, obtain status and history for drives and media from a desktop or handheld device.

Obtain immediate relief from growing pains

Coupled with the industry-leading portfolio of StorageTek tape automation products from Sun, the SDLT 600 and SDLT 320 tape drives

offer immediate relief for your backup/restore and archive challenges. You can maintain ready access to data with SDLT 600 backward read compatibility to the Super DLTape I cartridges. The SDLT 320 is also backward read compatible to DLTape IV media in DLT 4000, DLT 7000 and DLT 8000 formats. It is both backward read and write compatible with SDLT I media in SDLT 220 format. In addition, the SDLT 600 is part of a long-term roadmap of reliable, manageable tape solutions that help you keep pace with growth.

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, more than 2100 dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

To learn more

To learn more about Sun StorageTek SDLT drives, talk with your Sun representative or visit www.sun.com/storagetek.

Super DLT Tape Drive Specifications

Performance	SDLT 320	SDLT 600
Access time	70 sec	79 sec
Tape load and thread to ready	12 sec	12 sec
Unload time	12 sec	19 sec
Maximum/average rewind time	140/69 sec	140/69 sec
Data transfer rate, native (uncompressed)	16 MB/sec	36 MB/sec
Burst transfer rate	LVD 80 MB/sec, HVD	40 MB/sec LVD 160 MB/sec, FC 200 MB/sec
Capacity		
Capacity, native (uncompressed)	160 GB	300 GB
Availability		
Mean time between failures (MTBF)		
Power on	250,000 hr @ 100% duty cycle	250,000 hr @ 100% duty cycle
Head life	30,000 hr	30,000 hr
Uncorrected bit error rate	1x10 ⁻¹⁷	1x10 ⁻²⁷
Compatibility		
Interface	Ultra 2 SCSI	Ultra 2 SCSI or FC-2
Read/write compatibility interface	Read/write: SDLT 320 Read only: DLT 4000/7000/8000	Read only: SDLT 320
Mechanical		
HWD (internal)	3.24 x 5.74 x 8.37 in (82.3 x 145.8 x 212.4 cm)	3.25 x 5.75 x 8.48 in (82.6 x 14.1 x 215.4 cm)
Environmental		
Temperature		
Operating	+50° to +104° F (+10° to +40° C)	+50° to +104° F (+10° to +40° C)
Non-operating	-40° to +151° F (-40° to +66° C)	-40° to +151° F (-40° to +66° C)
Relative humidity		
Operating	20% to 80%	20% to 80%
Non-operating	10% to 95%	10% to 95%
Power		
Voltage	Varies depending on configuration	Varies depending on configuration
Power consumption/dissipation (operating maximum continuous — not peak)	58 VA/198 BTU/hr	70 VA/239 BTU/hr

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