



L80

TAPE LIBRARY

Key benefits

Drive choices

With our tape drive and media technology, you have more data-use options with just one library.

Easy expandability

As your needs grow, you can easily add drives and cartridges to increase capacity and improve performance.

Space, cost savings

With up to 32 terabytes of capacity, the L80 tape library helps you save both space and money.

Enhanced data protection

With its unmatched reliability and hands-free automation, the L80 tape library helps you keep open systems data protected and available.

SAN-ready

Connect to the future today and gain increased scalability, availability and sharability with flexible Fibre Channel connectivity.

Unmatched reliability

StorageTek's reputation for innovation and excellence is behind the L80 tape library's superior reliability for open systems environments.



L80 tape library

With up to 80 slots and 32 terabytes of native capacity and enterprise-class reliability, StorageTek's L80 tape library is perfect for the demanding data environments of growing businesses. This automated tape library provides ultra-reliable backup and recovery in distributed Windows, Novell, Linux and UNIX environments.

Enterprise-class performance

The L80 tape library is ideal for mid- to larger-size businesses looking for a robust yet economical automated tape solution. With the L80 tape library, you get a high-performance, plug-and-play system that expands to meet growing data requirements. The L80 tape library can be upgraded quickly and easily simply by adding drives, increasing the number of tape slots or the addition of a Fibre Channel router.

And the L80 is easy to manage. It features Library Status Tool, a Web-based remote diagnostic tool that helps reduce operational costs and enhance reliability even further. The embedded SNMP agent facilitates network management and notification operations over an Ethernet connection.

Flexible access to information

StorageTek's L80 tape library supports multiple leading technologies, including Linear Tape Open (LTO) Ultrium Generations 1, 2 and 3, and Super DLT 220, 320 and 600 tape drives.* You can mix and match tape technologies and media types without special media management.

Easy upgrade path

As a member of the L-Series™ automated tape library family, the L80 offers you an easy, cost-effective upgrade path. As your data storage requirements grow, you can seamlessly migrate to a higher capacity library. StorageTek® offers a flexible L-Series tape library trade-in plan to make the transition easy and cost-effective.

Baseline Implementation Services

Baseline Implementation for mid-range tape libraries covers implementation of the L80 tape library in environments not requiring ACSLS Manager™ software or Host Software Component (HSC) software. The service includes establishing host-to-library connectivity and library integration into your existing backup operation, including the setup of media controls. We install the Backup Resource Monitor™ software and set up reporting on your backup operation. In addition, the service offering includes design validation, documentation project management and knowledge transfer.

In addition to Baseline Implementation Services, StorageTek offers a higher-level consulting service for organizations whose implementation needs go beyond the baseline level.

To learn more

To learn more about the L80 tape library and implementation, talk to your StorageTek representative or visit www.storageitek.com.

*Super DLT tape drives are from Quantum Corporation and LTO Ultrium tape drives are from Hewlett-Packard, IBM and Certance.

L80 tape library specifications

Performance

Throughput per hour, native (uncompressed)	LTO Gen 1 (15 MB/sec) – 432.0 GB/hr
	LTO Gen 2 (30 MB/sec) – 864.0 GB/hr
	LTO Gen 3 (80 MB/sec) – 2,304.0 GB/hr
	SDLT 320 (16 MB/sec) – 460.8 GB/hr
	SDLT 600 (36 MB/sec) – 1,036.8 GB/hr
Audit time	3 min
Average cell to drive time	7.6 sec

Capacity

Capacity, native (uncompressed)	LTO Gen 1 (100 GB/cart) – 8.0 TB
	LTO Gen 2 (200 GB/cart) – 16.0 TB
	LTO Gen 3 (400 GB/cart) – 32.0 TB
	SDLT 320 (160 GB/cart) – 12.8 TB
	SDLT 600 (300 GB/cart) – 24.0 TB
Number of cartridge slots	40, 60, 80
Number of tape drives / types	1–8 LTO drives, SDLT drives or a combination
Cartridge access port (CAP)	5-cartridge slot CAP with removable magazine

Availability

Mean exchanges/swaps between failure (MEBF/MSBF)	2,000,000
Mean time between failures (MTBF)	360,000 hr (full operation)
Mean time to repair (MTTR)	<30 min
Non-disruptive serviceability	Hot-swappable drives with power supply and fan, plus Ethernet and serial ports for diagnostics and reporting

Compatibility

Supported host platforms	UNIX, Linux, Windows NT, Novell NetWare
Robotics control interfaces	LVD or HVD SCSI
Any Cartridge Any Slot technology	Simultaneous non-partitioned support of multiple tape and media types

Management

L-Series Library Admin software	Remote library monitoring and maintenance (optional)
Library Manager software	Central management, sharing and robotics control for SCSI-attached libraries (optional)
Framework Library Monitor software	Host-based and over SCSI. Monitor and respond to library via leading system management frameworks (SMFs) (optional)
Library Status Tool software	Embedded software for remote monitoring and diagnostics of entire system
SNMP	Embedded SNMP agent that enables remote reporting, monitoring and notification via standard Ethernet connection
Digital vision system	Unique digital vision camera system performs continuous calibration and reads bar codes

Management (continued)

Operator panel	User-friendly configuration and diagnostic controls, status display and viewing window
Automatic clean	Dedicated cleaning cartridge slot for tape drive cleaning by library or software command
Automatic self-discovery	Automatic self-discovery

Mechanical

Library	
Height	31.5 in (80.0 cm)
Depth	29.0 in (73.7 cm)
Width	19.0 in (48.3 cm)
Weight	140.0 lb (63.6 kg)
Unit height	18u* of standard 19-inch rack space

Environmental

Temperature	
Operating	+50° to +104° F (+10° to +40° C)
Non-operating	+50° to +104° F (+10° to +40° C)
Relative humidity	
Operating	20% to 80%
Non-operating	10% to 95%

Power

Voltage	100–240 VAC @ 50–60 Hz single phase (auto-ranging)
Library (operating maximum continuous – not peak)	1.40 A @ 120 V, 0.75 A @ 240 V, 180 V or 0.18 KVA, 615 BTU/hr
Optional internal FC/SCSI router	28 VA
Drives	Drive power consumption varies; refer to individual drive specifications

Regulatory compliance

Electromagnetic compatibility	FCC (47 CFR 15, Subpart B) Class A CE (EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3)VCCI (CISPR 22) Class A Canada (ICES-003) Class A
Safety	UL 1950 CAN/CSA 22.2 No. 950 EN60950

* With use of rack mount rails, rack mount shelves add 1u. One u is equal to 1.75 in (4.45 cm).



ABOUT STORAGETEK®

Storage Technology Corporation (NYSE: STK) is a \$2 billion global company that enables businesses, through its information lifecycle management strategy, to align the cost of storage with the value of information. The company's innovative storage solutions manage the complexity and growth of information, lower costs, improve efficiency and protect investments. For more information, visit www.storagetek.com, or call 1.800.275.4785 or 01.303.673.2800.

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