

L180 Tape Library

Key benefits

Faster backup, restore, archiving

With throughput rates as high as 2.88 terabytes per hour, the L180 tape library gives you the speed you need to accelerate backup, restore and archiving.

Increased reliability

For improved uptime, tape drives, fans and power supplies are hot-swappable. Uninterrupted and redundant power supplies are available.

Easy management

Intelligent software monitors and collects library statistics. Web-based access allows easy remote monitoring. Streamlined management optimizes your use of space and increases availability.

Increased availability

A native 2-gigabit Fibre Channel optical interface, combined with StorageTek T9840 and T9940 tape drives, provides a leading-edge, all-Fibre Channel solution with dynamic, worldwide naming capability.



StorageTek™ L180 tape library

With up to 174 slots and 69.6 terabytes of native capacity, the StorageTek™ L180 tape library is ideal for mid-sized, distributed, open systems, UNIX and Windows NT environments. This automated tape library features a high-speed, native, two-gigabit Fibre Channel interface for faster data sharing and use in storage area networks (SANs).

Enterprise-class performance

To keep information moving fast, the L180 tape library's robotics and digital vision system let all applications read and write simultaneously, with more than 450 cartridge exchanges per hour. Speed reduces backup windows and lets you restore data quickly. And the library's high drive-to-cartridge ratio is ideal for applications like digital imaging.

Flexible access to information

Your applications and environment — not storage limitations — should dictate access to information. A SAN-ready solution, the L180 tape library's native, two-gigabit Fibre Channel and Ultra SCSI interfaces provide the right access, no matter what the job. And the library supports multiple tape technologies, including up to six T9840 tape drives or ten DLT, Super DLT and LTO Ultrium tape drives, so you can determine the right combination for your business needs.

Easy upgrade path

As a member of the L-Series™ automated tape library product line, the L180 tape library offers you an easy, cost-effective upgrade path. As your data storage requirements grow, you can easily migrate to a higher-capacity library.

Implementation Services

The Baseline Implementation Services for mid-range tape libraries covers implementation of the StorageTek L180 tape libraries 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 StorageTek's 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, Sun offers a higher-level consulting service for organizations whose implementation needs go beyond the baseline level.

To learn more

To learn more about the L180 tape library and Implementation Services, talk to your Sun representative or visit www.sun.com/storagetek.

L180 tape library specifications

Performance

Throughput per hour, native (uncompressed)	(maximum configurations)
	T9840B (6 drives, 19 MB/sec) – 410.4 GB/hr
	T9840C (6 drives, 30 MB/sec) – 648 GB/hr
	T9940B (6 drives, 30 MB/sec) – 648 GB/hr
	LTO Gen 2 (10 drives, 30–35 MB/sec) – up to 1.26 TB/hr
	LTO Gen 3 (10 drives, 68–80 MB/sec) – up to 2.88 TB/hr
	SDLT 320 (10 drives, 16 MB/sec) – 576 GB/hr
	SDLT 600 (10 drives, 36 MB/sec) – 1.3 TB/hr
Audit time	<4 min
Average cell to drive time	4.0 sec

Capacity

Capacity, native (uncompressed)	(maximum configurations 174 cartridges)
	T9840B (20 GB/cart) – 3.48 TB
	T9840C (40 GB/cart) – 6.96 TB
	T9940B (200 GB/cart) – 34.8 TB
	LTO Gen 2 (200 GB/cart) – 34.8 TB
	LTO Gen 3 (400 GB/cart) – 69.6 TB
	SDLT 320 (160 GB/cart) – 27.84 TB
	SDLT 600 (300 GB/cart) – 52.2 TB
Number of cartridge slots	84, 140, 174 plus six slots for diagnostic/cleaning cartridges
Number of tape drives/types	1–6 T9840 or T9940 drives
	1–10 LTO Gen 2, Gen 3, SDLT 320 and 600
Cartridge access port (CAP)	Standard, 10-cartridge capacity
	Two 5-cartridge removable magazines

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. Optional universal power supply.

Compatibility

Supported host platforms	UNIX, Windows NT, Novell, Linux
Robotics control interfaces	LVD or HVD SCSI and option of an external FC router
Any Cartridge Any Slot [™] technology	Simultaneous non-partitioned support of multiple tape and media types

Management

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).
SNMP	Embedded SNMP agent that enables remote reporting, monitoring and notification via standard Ethernet connection
Digital vision system	Performs continuous calibration and reads bar codes
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	Self-configuring for cells, drives and CAPs
Continuous automation calibration	No periodic maintenance or alignment required

Mechanical

Library	
Height	65.1 in (165.4 cm)
Depth	49.3 in (125.2 cm)
Width	28.3 in (71.9 cm)
Unit height	6u* of standard 19 inch rack
Weight	635.0 lb (288.0 kg)

Environmental

Temperature	
Operating	+59° to +90° F (+15° to +32° C)
Non-operating	+50° to +104° F (+10° to +40° C)
Relative humidity	
Operating	20% to 80%
Non-operating	10% to 95%

Power

Voltage	100–127 VAC, 200–240 VAC @ 50–60 Hz single phase (auto-ranging)
Library (operating maximum continuous — not peak)	1.0 A @ 120 V, 0.5 A @ 240 V, 410 BTU/hr
Drives	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

* Rack space is measured in height and expressed as a u. One u is 1.75 in (4.45 cm) in height.