



L20

TAPE LIBRARY

Key benefits

Drive choices

Using StorageTek's Any Cartridge Any Slot technology, you can choose multiple tape drive and media types. You will be able to migrate and specialize your data with just one library.

Easily expandable

Flexible choices in capacity and throughput upgrade paths help protect your storage investment long term. You can add drives or cartridges, advance to new drive technologies and easily increase performance and capacity.

SAN-ready

Increase scalability, availability and accessibility with flexible Fibre Channel connectivity.

Space savings

Store more data in less space than competing systems use, saving you space and money.

High reliability

StorageTek's reputation for proven innovation and excellence is the foundation for the L20 tape library. Our hot-swappable components enable us to offer improved reliability and reduced downtime in open systems environments.



L20 tape library

Enterprise-level quality, at an entry-level price

Based upon our industry-proven, enterprise-class tape automation technologies, the L20 tape library is designed to meet the needs of small, but demanding, data centers. It's also the perfect workgroup and departmental storage solution. As information storage requirements grow, your L20 tape library can be easily upgraded by adding an additional drive and increasing the number of tape slots, or upgraded to a completely new, larger capacity library.

Automate and solve the backup and recovery challenge

Designed specifically for distributed Windows NT, Novell, Linux and UNIX environments, the L20 tape library is a plug-and-play solution that helps you realize the immediate benefits from hands-free tape automation, in addition to providing highly cost-effective, ultra-reliable backup and recovery.

High-performance data management makes storage easy

The L20 tape library includes 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.

A new level of accessibility

The L20 tape library provides Any Cartridge Any Slot™ technology, which supports multiple leading tape drive 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 or partitioning. Choose the drive technology that's best for you now. When it's time to advance to new generations, you can make the migration in the same library, according to your needs and budget.

Baseline Implementation Services

The Baseline Implementation for mid-range tape libraries covers implementation of StorageTek's L20 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 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, 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 L20 tape library and implementation, talk to your StorageTek representative or visit www.storagetek.com.

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

L20 tape library specifications

Performance

Throughput per hour, native (uncompressed)	LTO Gen 1 (15 MB/sec) — 108.0 GB/hr
	LTO Gen 2 (30 MB/sec) — 216.0 GB/hr
	LTO Gen 3 (80 MB/sec) — 576.0 GB/hr
	SDLT 320 (16 MB/sec) — 115.2 GB/hr
	SDLT 600 (36 MB/sec) — 259.2 GB/hr
Audit time	<2 min
Average cell to drive time	10.5 sec

Capacity

Capacity, native (uncompressed)	LTO Gen 1 (100 GB/cart) — 2.0 TB
	LTO Gen 2 (200 GB/cart) — 4.0 TB
	LTO Gen 3 (400 GB/cart) — 8.0 TB
	SDLT 320 (160 GB/cart) — 3.2 TB
	SDLT 600 (300 GB/cart) — 6.0 TB
Number of cartridge slots	10, 20
Number of tape drives / types	1–2 LTO drives, SDLT drives or a combination
Cartridge access port (CAP)	Optional, configurable, single-cartridge slot

Availability

Mean exchanges/swaps between failures (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, 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

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

Management (continued)

Digital vision system	Unique digital vision camera 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-configures the drives, slots and CAP; also identifies drive and media types

Mechanical

Library	
Height	7.0 in (17.8 cm)
Depth	27.5 in (71.1 cm)
Width	19.0 in (48.3 cm)
Weight	48.0 lb (21.8 kg)
Unit height	4u* 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 compliance	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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