

# L20 TAPE LIBRARY



## KEY BUSINESS BENEFITS

- **Adaptive Media Technology (AMT)**

With StorageTek's unique support of multiple tape drive and media types, you can seamlessly migrate and specialize your data with just one library.

- **Easily expandable**

Choices in flexible capacity and throughput upgrade paths protect your storage investment long term. You can add drives or cartridges, advance to new drive technologies or even swap to a larger library at a reduced price.

- **Easy to use**

The L20 Guided Install CD is included to make installation and configuration a breeze. Library Status Tool is also included for remote monitoring and an SNMP trap for notification. Or choose from Library Admin, Library Manager or Framework Library Monitor for additional management capabilities.

- **SAN-ready**

Connect to the future today, and gain increased scalability, availability and shareability with an embedded Fibre Channel router.

- **Space savings**

Store more data in less physical rack space than competing systems, which saves you space and money.

- **Unmatched reliability**

StorageTek's reputation for proven innovation and excellence is the foundation for the L20/L40/L80 library series. They offer superior reliability and less down time to the Open Systems environments.

- **Storage leadership**

With over 30 years of information storage leadership, StorageTek meets the ever-growing storage and management requirements of small and mid-sized companies, too. Pick the L-Series tape library that's right for your business applications.

## ENTERPRISE-LEVEL QUALITY, AT AN ENTRY-LEVEL PRICE

Based upon our industry proven, enterprise-class tape automation technologies, the StorageTek L20 tape library is designed to meet the needs of small, but demanding data centers. It's the perfect workgroup and departmental storage solution as well. As information storage requirements grow, your L20 library can be easily upgraded by adding an additional drive and increasing the number of tape slots, or upgrade to a completely new, larger capacity library. With the L20 tape library, you get a robust, scalable, high-performance tape automation system – backed by our industry-leading three year warranty with Advance Exchange and multiple service options: Next Day, Select (5x9x8) and Elite (7x24).

## AUTOMATE AND SOLVE THE BACKUP AND RECOVERY CHALLENGE

Designed specifically for distributed Windows NT, Novell, Linux and UNIX environments, the StorageTek 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 Adaptive Media Technology that supports multiple leading tape drive technologies, including LTO Generation 1 and 2, SDLT 220 and 320, and DLT 8000. 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 the new generations, you can make the migration in the same library, according to your needs and budget.

## L20 TAPE LIBRARY SPECIFICATIONS

### FUNCTIONAL DATA

Number of cartridge slots	10, 20
Number of tape drives/types	One to two LTO 1 & 2, SDLT 220 & 320, DLT 8000 drives, or a combination

### CAPACITY AND PERFORMANCE

Capacity, native (uncompressed) (maximum configuration – 20 cartridges)	LTO Ultrium 1 (100 GB/cart) – 2.0 TB
	LTO Ultrium 2 (200 GB/cart) – 4.0 TB
	SDLT 220 (110 GB/cart) – 2.2 TB
	SDLT 320 (160 GB/cart) – 3.2 TB
	DLT 8000 (40 GB/cart) – 800 GB
Throughput per hour, native (uncompressed) (maximum configuration – 2 drives)	LTO Ultrium 1 (15 MB/sec) – 108 GB/hr
	LTO Ultrium 2 (30 MB/sec) – 216 GB/hr
	SDLT 220 (11 MB/sec) – 79.2 GB/hr
	SDLT 320 (16 MB/sec) – 115.2 GB/hr
	DLT 8000 (6 MB/sec) – 43.2 GB/hr

### LIBRARY FEATURES

Adaptive Media Technology (AMT)	Simultaneous, non-partitioned support of multiple tape and media types for seamless technology migration and specialization
Cartridge Access Port (CAP) Digital vision system	Optional, configurable, single-cartridge slot 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

### LIBRARY PRODUCT/PERFORMANCE ENHANCEMENTS

Audit time	Less than 2 min
Auto 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.
Average cell to drive time	10.5 sec
Continuous automation calibration	No periodic maintenance or alignment required
Library Status Tool	Embedded software for remote monitoring and diagnostics of entire system
SNMP enabled	The library is a managed device with the embedded SNMP agent, that enables remote reporting, monitoring and notification via standard Ethernet connection.
Library Admin	Provides advanced computing power for advanced reporting, monitoring and notification of the library. (optional)
Library Manager	Enables remote management and true library sharing between applications, within a network. (optional)
Framework Library Monitor	Host-based, and over SCSI, this application allows the library to be centrally viewable via a Framework application (i.e. CA Unicenter, HP Openview, Tivoli NetView.) (optional)
Maintenance	No periodic maintenance required
Media management	Adaptive Media Technology provides concurrent non-partitioned full, mixed-media capabilities
Non-disruptive serviceability	Hot-swappable drives, fans, plus Ethernet and serial ports for diagnostics and reporting.
Robotics control interfaces	LVD or HVD SCSI, and 1Gb internal Fibre Channel router
Warranty	3 years, Advance Exchange, with multiple Service options available

### RELIABILITY

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)	Less than 30 min

### PHYSICAL DATA

Dimensions (W x H x D)	19.0 in x 7 in x 27.5 in (48.3 cm x 17.8 cm x 71.1 cm)
Library	4 u* of standard 19 in rack space
Rack space	
Weight	
Library	48 lb (21.8 kg)

### ENVIRONMENTAL DATA

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

### POWER SOURCE

Power input	100-240VAC @ 50-60 Hz single phase (auto-ranging)
Power consumption/dissipation (operating maximum continuous - not peak)	
Library	1.40A @ 120V, 0.71A @ 240V, 170VA or 0.17 KVA, 560 BTU/hr
Optional internal FC/SCSI router	28VA
Drives	Drive power consumption varies. Refer to individual drive specification sheets.

### AGENCY CERTIFICATIONS

Safety	CSA standard CAN/CSA-C22.2, no. 950-95; UL Listed to UL 1950, 3rd Edition; GS licensed to EN 60950, 2nd Edition, 1991 + A1, A2, A3, A4; Nemko, Semko, Demko, Finko certified to EN 60950 (1992) A1/A2/A3/A4/A11, EMKO-TSE (74-SEC) 207/94; CB test certified
Emissions	FCC #47, Part 15, Subpart B, Class A; VCCI Class A European Union CE emissions standards AS/NZS 3548:1996 (Australia, N.Z.); ICES-003 (Canada)
Immunity	European Union CE immunity standards

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

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### About StorageTek®

StorageTek (NYSE:STK), a \$2 billion worldwide company with headquarters in Louisville, Colo., delivers a broad range of storage solutions that are easy to manage, integrate well with existing infrastructures and allow universal access to data across servers, media types and networks. StorageTek provides practical and safe storage solutions in disk, networking, services, tape and tape automation.

For more information, see [www.storagetek.com](http://www.storagetek.com), or call 1.800.786.7835.

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