

L20

High-performance data management at an entry-level price



Overview

The StorageTek™ L20 Tape Library is a one-stop solution for protecting and managing your information assets. Designed specifically for distributed Windows NT®, Novel®, Linux® and UNIX® environments, the L20 Tape Library is a plug-and-play solution that you can depend on for automated backup and recovery.

The L20 Tape Library includes remote monitoring and management tools so you can offload administration tasks to a single, centralised location. The proven StorageTek tape automation architecture gives you sophisticated tape automation at an entry-level price unmatched by any competing technologies.

With the L20 Tape Library, you get a robust and high-performance tape automation system with the scalability to meet future growth requirements. The easy-to-use L20 Tape Library provides the best reliability and lowest total cost of ownership in the industry.

Highlights

With the StorageTek™ L20 Tape Library, your business will benefit from:

- **Mixed Operating System Support** – Whether your environment is based in Microsoft Windows NT, Novell, Linux or UNIX, you can take full advantage of the L20's high-performance storage capabilities
- **Ease of Upgrade** – An innovative upgrade path allows you to exchange your L20 system for a new, larger capacity in the L20/40/80 series. The upgrade is as simple as the initial installation and no additional training is required
- **Storage Leadership** – With 30 years of industry experience and 100 petabytes of data stored on StorageTek systems worldwide, StorageTek is the global leader in information management and storage
- **Ease of Use** – Any administrator can install and use the system without special training
- **Best-in-Class Reliability** – The L20 Tape Library is more reliable than the competition, enabling the best access to data
- **Volumetric Efficiency** – You can store more data in less physical rack space than competing systems, which saves you space and money
- **Investment Protection** – Support for multiple tape technologies protects your investment from rapid technology changes

L20 Specifications

Functional Data

Number of Cartridge Slots	10, 20	
Number of Drives	1–2 DLT 7000 or DLT 8000 drives SDLT, DLT-1 and LTO Ultrium when available	
Library Capacity		
Cartridge Size	10 slots	20 slots
DLT 7000 (Cartridge Capacity 35 GB)	350 GB 700 GB	700 GB (uncompressed) 1.4 TB (compressed – 2:1)
DLT 8000 (Cartridge Capacity 40 GB)	400 GB 800 GB	800 GB (uncompressed) 1.6 TB (compressed – 2:1)
SDLT (Cartridge Capacity 110 GB)	1.1 TB 2.2 TB	2.2 TB (uncompressed) 4.4 TB (compressed – 2:1)
LTO Ultrium (Cartridge Capacity 100 GB)	1.0 TB 2.0 TB	2.0 TB (uncompressed) 4.0 TB (compressed – 2:1)
Library Throughput		
Cartridge	1 Drive	2 Drives
DLT 7000 (5 MB/s)	18 GB/hr 36 GB/hr	36 GB/hr (uncompressed) 72 GB/hr (compressed – 2:1)
DLT 8000 (6 MB/s)	22 GB/hr 44 GB/hr	44 GB/hr (uncompressed) 88 GB/hr (compressed – 2:1)
SDLT (10 MB/s)	36 GB/hr 72 GB/hr	72 GB/hr (uncompressed) 144 GB/hr (compressed – 2:1)
LTO Ultrium (15 MB/s)	54 GB/hr 108 GB/hr	108 GB/hr (uncompressed) 216 GB/hr (compressed – 2:1)
Mixed Media	DLT Tape III, DLT Tape IV, SDLT Tape, Ultrium Tape; any media, any slot, concurrently	
Average Cartridge Access Time	9 sec. 200 exchanges per hour	
Audit Time	2 min.	
Robotics Control Interfaces	SCSI-3 Fast-Wide interface, LVD or HVD; native Fibre Channel option; Fibre Channel router option	
Digital Vision System	StorageTek's unique digital vision system performs continuous calibration and reads bar codes	
Continuous Automatic Calibration	No periodic maintenance or alignment required	

L20 Specifications (cont.)

Functional Data (cont.)

AutoClean	Library or software-initiated tape drive cleaning (requires a dedicated cartridge slot)
Import/Export Slot	Optional, configurable single-cartridge slot
Operator Panel	User-friendly configuration, diagnostic controls and status display
Automatic Self-Configuration	Self-configuring for the quantity and type of drives, slots and media
Non-Disruptive Serviceability	Hot-swappable drives and fans

Reliability

MEBF (Mean Exchanges Between Failures)	2,000,000
MTTR (Mean Time To Repair)	Less than 30 min.
MTBF (Mean Time Between Failures)	360,000 hrs. (full operation)

Physical Data Dimensions

Height	17.8 cm (7.0 in.)
Width	48.3 cm (19.0 in.)
Depth	71.1 cm (27.5 in.)
Weight (library only)	21.8 kg (48 lbs.)

Environmental Data

Operating Temperature	+15 to +32 °C (+59 to +90 °F)
Humidity	20 to 80%
Wet bulb (max., non-condensing)	+29.2 °C (+84.5 °F)
Altitude	-76 to 3,048 m (-250 to 10,000 ft.)

Storage

Temperature	+10 to +40 °C (+50 to +104 °F)
Humidity	10 to 95%
Wet bulb (max., non-condensing)	+35 °C (+95 °F)
Altitude	-76 to 3,048 m (-250 to 10,000 ft.)

L20 Specifications (cont.)

Transporting

Temperature	-40 to +60 °C (-40 to +140 °F)
Humidity	10 to 95%
Wet bulb (max., non-condensing)	+35 °C (+95 °F)
Altitude	-76 to 3,048 m (-250 to 10,000 ft.)

Power Source

Power Input	100–240 VAC @ 50–60 Hz single phase (auto ranging)
Power Consumption (max.)	
Library	1.4 A @ 120 V, 0.7 A @ 240 V 130 VA or 0.13 KVA, 444 BTU/hr
Drives	
DLT 7000	0.92 A @ 120 V, 0.46 A @ 240 V, 375 BTU/hr
DLT 8000	0.8 A @ 120 V, 0.88 A @ 240 V, 327 BTU/hr
SDLT	TBD
LTO	Ultrium TBD

Agency Certifications

Safety	CSA standard CAN/CSA-C22.2 no. 950-95; UL standard 1950, 3rd Edition; EN60950
Emissions	FCC #47, Part 15, Subpart B, Class A; VCCI Class A; European Union CE emissions standards; ICES-003 (Canada)
Immunity	European Union CE immunity standards