

L180

Designed for midsize UNIX and Windows NT environments



Overview

The L180 Tape Library provides sophisticated automated tape storage and is designed for midsize UNIX and Windows NT environments.

An available high-speed Fibre Channel interface is ideal for SANs. It combines with the 9840 Fibre Channel tape drive for an all-native Fibre Channel automated tape solution. This allows direct attachment to scalable storage area networks (SANs).

The built-in network port and available web-based management system provide network management of the tape automation process. This tape library provides a scalable tape storage solution independent of tape technology, providing all the standard benefits of the L-series family of libraries.

Highlights

- **High capacity and data bandwidth with Adaptive Media Technology** – Capacity up to 13.9 TB. Supports up to six 9840 drives or 10 DLT, Super DLT or LTO Ultrium drives
- **Simplifies and centralises administration** – Built-in network connection and intelligent software agents provide remote monitoring from a standard web browser
- **Round-the-clock operation** – Redundant power available. Tape drives, fans and power supplies can be hot-swapped. Advanced 4D Robotics™ provides more exchanges per hour. No routine maintenance required
- **Easy slot upgrades ensure scalability & future proofing**

Product

L180 84 Cartridge Library
L180 140 Cartridge Library
L180 174 Cartridge Library
DLT7000 drives
9840 SCSI Drives
9840 Fibre Drives
Reduced Power Supply (includes 2nd PDU0 RMPS)
Fibre Channel Interface for robotics

Part Code

L180-080
L180-080 + Upgrade 62054
L180-080 + Upgrade 62054 + Upgrade 62056
9777-001 TX40
9840-L01TX40
9840-L03 TX40
INFC

L180 Specifications

Functional Data

Number of Cartridge Slots	84, 140, 174 Plus six slots for cleaning and diagnostic cartridges
Number of Drives	Up to 10 DLT 8000 or DLT 7000 drives, or up to six 9840 drives, or a combination
Library Capacity (174 slots)	
Cartridge Size	
DLT 8000 (cartridge capacity 40 GB)	6.96 TB (uncompressed) 13.92 TB (compressed – 2:1)
DLT 7000 (cartridge capacity 35 GB)	6.09 TB (uncompressed) 12.18 TB (compressed – 2:1)
9840 (cartridge capacity 20 GB)	3.48 TB (uncompressed) 10.44 TB (compressed – 3:1)
Library Throughput	
DLT 8000 (10 drives, 6 MB/S)	216 GB/hr (uncompressed) 432 GB/hr (compressed – 2:1)
DLT 7000 (10 drives, 5 MB/S)	180 GB/hr (uncompressed) 360 GB/hr (compressed – 2:1)
9840 (6 drives, 10 MB/S)	216 GB/hr (uncompressed) 432 GB/hr (compressed – 2:1)
Media	DLT or 9840
Average Cartridge Access Time	Seven seconds (DLT drives) 4.5 seconds (9840 drives)
Audit Time	Less than three min.
Robotics Control	SCSI-2 media changer command set, Fast/Wide interface, single-ended or differential; Fast/Wide interface, single-ended or differential; ASCLS SCSI connection, native Fibre Channel option
Bar Code Reader	Standard digital camera-based vision system
Calibration	Automatic (cells, drives, and cartridge access port)
Drive Cleaning	Automatic, library or software initiated
Cartridge Access Port	Standard, 10 cartridge capacity Two 5-cartridge removable magazines
Control Panel	User-friendly configuration and diagnostic controls, status display and viewing window

L180 Specifications (cont.)

Functional Data (cont.)

Automatic self configuration	Self configuring for drives, cells and CAP
Serviceability	Hot swappable drives, power supplies and fans, serial port and Ethernet port for diagnostics
Internal rack space	Standard 19" Rack, 6u high (10.5")

Reliability

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

Physical Data Dimensions

Height	165.4 cm (65.1 in.)
Width	71.9 cm (28.3 in.)
Depth	125.2 cm (49.3 in.)
Weight (library only)	274.4 kg (605 lbs.)605

Environmental Data

Operating Temperature	+15 to +32 °C (+59 to +90 °F)
Humidity	20% to 80%
Wet bulb (max., non-cond.)	+29 °C (+85 °F)
Altitude	-76 to 3,050 m (-250 to 10,000 ft.)

Storage

Temperature	+10 to +40 °C (+50 to +104 °F)
Humidity	10% to 95%
Wet bulb (max., non-cond.)	+35 °C (+95 °F)
Altitude	-76 to 3,050 m (-250 to 10,000 ft.)

L180 Specifications (cont.)

Transit

Temperature	-40 to +60 °C (-40 to +140 °F)
Humidity	10% to 95%
Wet bulb (max., non-cond.)	+35 °C (+95 °F)
Altitude	-76 to 3,050 m (-250 to 10,000 ft.)

Power Source

Power input	100–127 & 200–240 VAC @ 50/60 Hz single phase auto ranging
Power Consumption (max.)	
Library	1.75A @ 120V, 0.88A @ 240V, 716 BTU/hr.
Drives	
DLT 8000	0.8A @ 120V, 0.42A @ 240V, 327 BTU/hr.
DLT 7000	0.92A @ 120V, 0.68A @ 240V, 375 BTU/hr.
DLT 9840	1.35A @ 120V, 0.68A @ 240V, 552 BTU/hr.

Agency Certifications

Safety	CSA standard CAN/CSA-C22.2 no. 950-95 UL Listed to UL 1950, 3rd Edition; EN60950 GS licensed to EN 60950, 2nd Edition, 1991 + A1, A2, A3, A4 Nemko, Semko, Demko, Fimko 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