

L700

Designed for large distributed open system implementations



Overview

The L700 Tape Library manages information across multiple environments. Designed for SAN, it connects by high speed Fibre Channel or direct attach SCSI.

The L700 Tape Library is designed for large, distributed open system implementations in UNIX and Windows NT environments. It combines with the 9840 Fibre Channel tape drive for the industry's first all-native Fibre Channel library. This powerful pairing expands tape's role from direct-attached to scalable storage area network (SAN) environments.

The Fibre Channel connectivity allows faster data sharing and management over large distances. Additionally, it facilitates network management of the tape automation process. The streamlined management optimises space, increases availability and boosts performance. This system provides a scalable tape storage solution independent of tape technology.

Highlights

- **Simplifies and centralises administration** – Intelligent software collects statistics and information. Access and monitor information remotely using a standard web browser
- **High capacity, mixed media and data bandwidth using Adaptive Media Technology** – Provides capacity up to 27.1 TB. Supports up to 12 9840 drives or 20 DLT/SuperDLT or LTO Ultrium drives
- **Round-the-clock operation** – System allows hot swaps, enabling continuous operation even as drives, fans or power supplies are replaced. Advanced 4D robotics provide more exchanges per hour; no routine maintenance required
- **Easy slot upgrades ensure scalability and future proofing**

Product

L700 228 Cartridge Library
L700 396 Cartridge Library
L700 690 Cartridge Library
DLT7000 Drives
DLT8000 Drives
9840 Drives
9840 Fibre Drives

Part Code

L700-300
L700-300 + upgrade 61978
L700-300 + upgrade 61978 + upgrade 61707
9777-001 TX40
9788-001 TX40
9840-L01TX40
9840-L03 TX40

Increase Drive Capacity (requires 2nd PDU) 2NDT Redundant Power Supply (requires 2nd PDU) RMPS Fibre Channel Interface INFC. Additional Cartridge Access Port CC40 Second Power Distribution Unit (PDU) 1PDU

L700 Specifications

Functional Data

Number of Cartridge Slots	216, 384, 678 (with expansion frame) Plus 12 slots for diagnostic and cleaning cartridges
Number of Drives	Up to 20 DLT 8000 or DLT 7000 drives, or up to 12 9840 drives, or a combination
Library Capacity (678 slots)	
Cartridge Size	
DLT 8000 (cartridge capacity 40 GB)	27.1 TB (uncompressed) 54.2 TB (compressed – 2:1)
DLT 7000 (cartridge capacity 35 GB)	23.7 TB (uncompressed) 46.4 TB (compressed – 2:1)
9840 (cartridge capacity 20 GB)	13.6 TB (uncompressed) 40.8 TB (compressed – 3:1)
Library Throughput	
DLT 8000 (20 drives, 6 MB/S)	432 GB/hr (uncompressed) 864 GB/hr (compressed – 2:1)
DLT 7000 (20 drives, 5 MB/S)	360 GB/hr (uncompressed) 720 GB/hr (compressed – 2:1)
9840 (12 drives, 10 MB/S)	432 GB/hr (uncompressed) 864 GB/hr (compressed – 2:1)
Media	DLT or 9840
Average Cartridge Access Time	Seven seconds 4.5 seconds 9840 drives
Audit Time	Less than three min.
Robotics Control	SCSI-3 media changer command set, Fast/Wide interface, single-ended or differential; ASCLS SCSI connection, 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, 20 cartridge capacity, (optional second 20 cartridge CAP)
Control Panel	User-friendly configuration and diagnostic controls, status display and viewing window
Automatic self configuration	Self configuring for drives, cells, and CAPs
Serviceability	Hot swappable drives; power supplies and fans, serial port and Ethernet port for diagnostics

L700 Specifications (cont.)

Reliability

MEBF (Mean Exchanges Between Failures)	2,000,000
MTBF(Mean Time Between Failures)	360,000 hrs. (full operation)

Physical Data Dimensions

Height	184.6 cm (72.0 in.)
Width	155.7 cm (61.3 in.)
Depth	95.3 cm (37.5 in.) 112 cm (44.1 in.) with expansion frame 77.7 cm (30.3 in.) without covers or expansion frame
Weight (library only)	345 kg (761 lbs.) 381 kg (840 lbs.) with expansion frame

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.)

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.)

L700 Specifications (cont.)

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