



SYMPLYPRO XTL 80

80-Slot 6U Modular LTO Tape Library

LTO tape remains the trusted standard for backup and archive across media, healthcare, finance, education and SMB/SME. It delivers high-capacity, low-cost storage that's portable for off-site protection, supports easy interchange and long-term retention. Following the 3-2-1-1 rule—three copies, two media types, one off-site and one offline—adds an affordable cyber-resilience layer for organizations of any size. For governance and security, all models support LTO WORM media (non-erasable, non-rewritable) and AES-256 hardware encryption to enforce retention policies and protect data at rest. [Find out how](#) LTO tape drive total ownership costs compare with HDD and cloud alternatives.

Built on proven architecture, ready for your enterprise stack. The SymplyPRO XTL 80 brings that advantage into a compact, 6U, 80-slot library designed for easy integration and everyday reliability. Choose the host connectivity that fits your infrastructure, 12 Gb SAS, 8/32 Gb Fibre Channel, 10 GbE iSCSI, or Thunderbolt™ 3, and slot it straight into existing backup and archive workflows. A clear front-panel interface speeds local setup, while secure, browser-based remote management lets you monitor status, update firmware, move media, run diagnostics and export reports from anywhere.

Modular by design, without licensing traps. Start small and scale as you grow: the XTL 80 expands to 560 slots in a standard 42U rack simply by adding modules—no special alignment rigs, and no capacity-on-demand or partitioning licences to unlock what you already own. Each 6U module supports up to six half-height drives or three full-height drives, so performance can grow alongside capacity. Configuration options: Half-height LTO-7/8/9, Full-height LTO-9/10, or a combination of both.

Engineered for operations — removable magazines make bulk import/export fast and safe; easy serviceability of power supplies, tape drives, controllers, and robotics. Front-to-back airflow fits hot-aisle/cold-aisle layouts. Encryption and LTO WORM media support help enforce retention and governance policies. With field-proven mechanics, remote firmware updates for both the library and drives, and industry-leading support backed by a 3-year warranty as standard, SymplyPRO XTL 80 delivers a library that is as straightforward to operate as it is powerful to scale.

Full support for LTFS ensures simple, cross-platform interchange when you need to hand off projects or vault data. Compatible with leading backup and archive applications that support LTO —Veeam Backup & Replication, Veritas NetBackup, Commvault, Qstar, Arcserve,

FEATURES & BENEFITS

- **Enterprise modular scalability and reliability** — start at 6U / 80 slots and expand to 560 slots in a standard 42U rack.
- **Flexible connectivity** — choose from 12 Gb SAS, 8/32 Gb Fibre Channel, 10 GbE iSCSI, or Thunderbolt™ 3 to fit your infrastructure.
- **No restrictive licences** — scale slots and drives as needed with no capacity-on-demand or partitioning licences required.
- **Total capacity** — up to 3.2 PB raw per module, scaling to 22.4 PB raw per library with LTO-10 enterprise/aramid media (80 → 560 slots).
- **Choice of drives** — supports up to 6x half-height (LTO-7/8/9, max 42x half-height in 42U) or 3x full-height (LTO-9/10, max 21x full-height in 42U) drive per module.
- **Mixed drive support** — compatible with combinations of half-height and full-height drives.
- **Operations at a glance** — 5.7-inch front-panel display on the base unit plus secure web-based management with email/SNMP alerts and exportable inventory/health reports.
- **Serviceability** — user-serviceable components, plus remote and USB-based firmware updates.
- **LTFS drag-and-drop** — mount tapes like a removable drive for simple copy/move and interchange without heavy backup software.
- **Compatible with leading software** — Veeam Backup & Replication, Veritas NetBackup, Commvault, Qstar, Arcserve, Retrospect, Bacula, and media-focused tools such as Archiware P5, Hedge Canister, Tiger Bridge, YoYotta, and XenData
- **Security & compliance built-in** — AES-256 hardware encryption and LTO WORM media support for non-erasable, non-rewritable retention.

- **Air-gapped by design** — removable magazines and standard operating procedures make it simple to maintain an air-gapped copy aligned to the 3-2-1-1-0 best practice.
- **Operational control** — password-protected, browser-based management for authorised administrators; clear audit trails via event logs.
- **PSU configuration** — redundant PSU configurations as standard.
- **Remote management** — secure browser-based control over Ethernet with a mobile-friendly UI.
- **Removable magazines** — enables fast and safe bulk loading and unloading of media.
- **Rack configuration** — ball-bearing slides included for smooth installation and service access.
- **Compliance & certifications** — CE, UKCA, FCC Class A; RoHS.
- **Robotics** — engineered for reliability with up to 3,000,000 MSBF (robotic picks).
- **Simple expansion** — easy module add-on with no special alignment required.
- **Warranty** — includes a 3-year warranty and industry-leading support.

Configuration & Expansion Modules

	6U Per Module	42U Total
Max Configuration	Base Module + 6 Expansion Modules	
Number of Tape Slots	80 Per Module	560 Total
Number of Half-Height Tape Drives	6 Per Module	42 Total
Number of Full-Height Tape Drives	3 Per Module	21 Total
Mail Slots (Import/Export)	10 Per Module	70 Total
Number of Magazines	2 Per Module	32 Total
Max Partitions	Maximum 20 (dynamically configurable)	

Interface

Native Interface	SAS	Fibre Channel
LTO-7	6 Gb SFF-8088	8 Gb LC
LTO-8	6 Gb SFF-8088	8 Gb LC
LTO-9	12 Gb SFF-8644	8 Gb LC
LTO-10	12 Gb SFF-8644	32 Gb LC
Optional Interface (via Integrated Bridge) — 10GbE Ethernet or Thunderbolt 3		

System Power & Reliability

Robotic MSBF	3,000,000
Power Connection	100 – 240 VAC / 300W
Number of Power Supplies (80 PLUS Gold Standard)	2 Per Module (Up to 14 Total)

Dimensions

Height	268 mm (10.55 in)
Width	482 mm (18.98 in)
Depth	895 mm (35.23 in)
Weight (No Tape Drives)	41 Kg (90.38 lb)

Performance & Capacity

Drive Type	Media Type	Performance Native (Compressed**)	Capacity Native (Compressed**)
LTO-10 Full-Height	LTO-10 Enterprise (Aramid)	400 MB/Sec (1000 MB/Sec)	40 TB (100 TB)
LTO-10 Full-Height	LTO-10	400 MB/Sec (1000 MB/Sec)	30 TB (75 TB)
LTO-9 Full-Height	LTO-9	400 MB/Sec (1000 MB/Sec)	18 TB (45 TB)
LTO-9 Full-Height	LTO-8	360 MB/Sec (900 MB/Sec)	12 TB (30 TB)
LTO-9 Half-Height	LTO-9	300 MB/Sec (750 MB/Sec)	18 TB (45 TB)
LTO-8 Half-Height	LTO-8	300 MB/Sec (750 MB/Sec)	12 TB (30 TB)
LTO-7 Half-Height	LTO-7	300 MB/Sec (750 MB/Sec)	6 TB (15 TB)

** Assumes 2.5:1 compression ratio.

Environmental Specifications

Environmental Factor	Recommended ¹	Allowable ²	Non-Operating
Dry-Bulb Temperature	LTO-9 and LTO-10: 15 to 25 °C (59 to 77 °F) LTO-7 and LTO-8: 16 to 25 °C (61 to 77 °F)	LTO-9 and LTO-10: 15 to 30 °C (59 to 86 °F) LTO-7 and LTO-8: 16 to 35 °C (61 to 95 °F)	5 to 35 °C (41 to 95 °F)
Relative Humidity	20 to 50% (non-condensing)	20 to 80% (non-condensing)	20 to 80% (non-condensing)
Maximum Temperature Change	5 °C (41 °F) / hour	5 °C (41 °F) / hour	5 °C (41 °F) / hour
Maximum Humidity Change	5% / hour	5% / hour	5% / hour
Temperature Limitation for Humidity Conditions	LTO-9 and LTO-10: Max Dew Point 22 °C (72 °F) LTO-7 and LTO-8: Wet Bulb Temperature <= 26 °C (79 °F)		
Maximum Altitude	3,048 m (10,000 ft)	3,048 m (10,000 ft)	12,192 m (40,000 ft)
Dust concentration	Less than 200 microgram / cubic meter		

Storage & Shipping

Condition	Environmental Specification
Short-term Storage condition	See operating conditions
Long-term Storage condition	See operating conditions
Shipping Conditions ³	5 to 45 °C (41 to 113 °F); 10% to 80% non-condensing. RH; 26 °C (72 °F) dew point maximum

Media Compatibility

	LTO-10 Media	LTO-9 Media	LTO-8 Media	LTO-7 Media	LTO-6 Media	LTO-5 Media
LTO-10 Drive	✓	✗	✗	✗	✗	✗
LTO-9 Drive	✗	✓	✓	✗	✗	✗
LTO-8 Drive	✗	✗	✓	✓	✗	✗
LTO-7 Drive	✗	✗	✗	✓	✓	R

✓ Read/Write ✗ Incompatible R Read Only

LEARN MORE:

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¹ Recommended: The recommended operational/storage environmental envelope provides guidance on the environmental range for optimal performance and high reliability. This environmental range protects for 30-year archival storage.

² Allowable: The allowable operational/storage environmental envelope defines the test limits to verify that the equipment will function within the environmental envelope. This environmental range is defined for operational storage of less than 6 months.

³ Shipping: When shipping media over extended environmental ranges, shipping times should be limited to minimize the duration of media being exposed to varying environmental conditions at lower and upper ranges. LTO tape media specifications provided by the LTO program at www.lto.org or specifications provided by the media manufacturer.

Note: The prolonged exposure to conditions outside the recommended range, especially approaching the extremes of the allowable operating environment, can result in decreased equipment reliability and longevity. An occasional short-term excursion into the allowable envelope is generally acceptable but may result in performance and reliability implications and higher power consumption.



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Up to 1856% Return on Investment

Valuable resources — Explore how the total cost of ownership (TCO) of LTO tape compares with HDD and cloud storage:

<https://www.lto.org/Data-Economics>

<https://www.lto.org/tco-calculator/>

<https://blog.archiware.com/lto-vs-cloud-storage-costs>