



SYMPPLYPRO

Professional Ethernet Desktop LTO

LTO tape remains the trusted standard for backup and archive across media, healthcare, finance, education and SMB and SME. It delivers high-capacity, low-cost storage that's portable for off-site protection, easy interchange and provides long-term retention. Following the 3-2-1 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.

SymplyPRO Ethernet brings tape into the virtual era by making LTO drives (and libraries) accessible across standard Ethernet (iSCSI). Multiple hosts, or guest operating systems can securely share the same tape resources without the need for costly Fibre Channel infrastructure. By leveraging existing network infrastructure, organizations can lower costs, simplify operations, and scale easily as data grows.

Key benefits include:

- **Reliability & Flexibility:** Shared tape access for multiple hosts, or guest OSs, live VM migration with uninterrupted tape operations.
- **Scalability & Control:** Expand easily, by attaching existing SAS tape devices to the SymplyPRO Ethernet Desktop and manage multiple systems from a single backup server (physical or virtual).
- **Efficiency:** Faster backups and restores, while eliminating Fibre Channel costs and SAS distance limitations.

SymplyPRO Ethernet brings together two 10 GbE iSCSI interfaces with a robust all-metal design that's simple to use, and low cost per TB storage capacity. Every enclosure integrates a premium PSU and efficient cooling. Choose from a dual-drive XTH desktop with one or two half-height LTO-7, LTO-8 or LTO-9, or XTF with a single full-height LTO-9 or LTO-10 drive. All dual-drive desktop models use our **SymplyCABLELESS™** architecture for fast serviceability and easy upgrades.

Every SymplyPRO Ethernet configuration supports Linear Tape File System (LTFS), enabling familiar drag-and-drop file operations and simple interchange without heavy backup software. In addition, SymplyPRO Ethernet is compatible with leading backup and archive applications that support LTO —Veeam Backup & Replication, Veritas NetBackup, Commvault, IBM Spectrum Protect, Arcserve, Retrospect, Bacula, Bareos, and media-focused tools such as Archiware P5, Hedge Canister, YoYotta, and XenData.

On Windows and Linux, SymplyPRO Ethernet integrates with standard platform tools and LTO software stacks (e.g., IBM tape drivers, IBM Spectrum Archive LTFS, and ITDT diagnostics). On macOS, **SymplyATOM™** provides streamlined tape operations—format, mount/eject LTFS, one-click diagnostics and log capture, and in-app firmware updates for SymplyPRO drives. This ensures straightforward deployment in mixed environment.

FEATURES & BENEFITS

- **Virtualize tape drive resources** – cost effectively allow multiple hosts, or guest operating systems can securely share the same tape devices.
 - Simplified connectivity using existing Ethernet infrastructure.
 - Lower total cost of ownership with fewer specialized components.
 - Flexible library placement unconstrained by SAS or Fibre Channel cabling.
 - Easy scalability with additional iSCSI bridges or libraries.
 - Support for both physical and virtual deployments.
- **Desktop configuration** — available with one or two LTO-7, LTO-8, or LTO-9 half-height, and one LTO-9 and LTO-10 full-height tape drives.
- **Half-Height Drive capacity & speed** — up to 18 TB raw / 45 TB compressed (LTO-9) per cartridge; up to 300 MB/s native throughput.
- **Full-Height Drive capacity & speed** — up to 40 TB raw / 100 TB compressed (LTO-10) per cartridge; up to 400 MB/s native throughput.

- **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, Veritas NetBackup, Commvault, IBM Spectrum Protect, Arcserve, Archiware P5, Retrospect, Hedge Canister, YoYotta, Bacula, Bareos, 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** — enables 3-2-1-1-0 best practice (offline copy) for ransomware resilience.
- **Advanced all-metal enclosure** — compact footprint with premium fan and integrated PSU for clean installs in offices or comms rooms.
- **Physical security** — Kensington T-Bar™ lock slot.
- **Compliance & certifications** — CE, UKCA, FCC Class A; RoHS.
- **Warranty** — 3-Year Advanced Replacement (optional +2-Year extension).
- **Included cartridges** — ships with data cartridges and cleaning cartridges as standard.

Models

Product Name	Drive Form-Factor	No. Drives	LTO Gen	Host Interface	Expansion Interface	D x W x H	Weight
PRO Ethernet XTH	Half-Height	1 or 2	7, 8, 9	2 x 10GbE iSCSI	1 x SFF-8644	30 x 21.1 x 13.6 cm (12 x 8.5 x 5.5 in)	5.6 Kg (12.4 lb)
PRO Ethernet XTF	Full-Height	1	9	2 x 10GbE iSCSI	1 x SFF-8644	30 x 21.1 x 13.6 cm (12 x 8.5 x 5.5 in)	6.4 Kg (14.1 lb)
PRO Ethernet XTF	Full-Height	1	10	2 x 10GbE iSCSI	1 x SFF-8644	38.2 x 22.1 x 14.0 cm (15.0 x 8.3 x 5.5 in)	7.8 Kg (17.2 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		

Reliability

Drive Type	MTBF (Hours)	MSBF (Mean Swaps Before Failure)	Load / Unload Cycles
Full-Height	250,000 @ 100% Duty Cycle	100,000	300,000
Half-Height	250,000 @ 100% Duty Cycle	100,000	80,000

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

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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>