Data sheet

HPE Storage MSL2024 Tape Library

What's new

- The new generation of the HPE Storage MSL2024 Tape Library adds multi-factor authentication (MFA) support, creating a second layer of protection for secure library management.
- HPE Smart Choice with MSL2024 tape libraries featuring LTO-8 and LTO-9 drives are available with FC or SAS interfaces. These models can be quickly quoted and shipped through HPE authorized partners.

Overview

The HPE Storage MSL2024 Tape Library delivers secure, reliable, and cost-effective data protection for small to mid-sized environments. Designed to support backup, recovery, and long-term retention requirements, the MSL2024 leverages LTO Ultrium tape technology to provide high-capacity, offline storage that helps protect critical data from ransomware, cyber threats, and accidental deletion. With automated tape handling, hardware-based data encryption, and broad compatibility with leading backup applications, the MSL2024 enables organizations to implement a robust physical air-gapped protection strategy. Simple deployment, web-based management, and a compact 2U design make it an ideal solution for safeguarding data while controlling costs and complexity.

Features

Exceptional Storage Density

The HPE Storage MSL2024 Tape Library offers up to 1.1 PB of 2.5:1 compressed storage capacity using LTO-9 in a rack-ready form factor.

Advanced Security Features

Reduce the threat of cyberattack with the MSL encryption kit, a fully self-contained encryption system which can be deployed without the need for an extra server or appliance, additional software or the complexity of a full KMIP solution.

The HPE Storage MSL2024 Tape Library provides physical air-gapped protection, isolating backup data from network-based cyber threats.

New multi-factor authentication (MFA) support adds an extra layer of protection for secure library management.

Protect critical data with immutable WORM storage and media specified for a 30-year shelf life under normal ambient conditions. Easily move rugged LTO cartridges off-site for disaster recover while preventing accidental overwrites.

Simplified Management

HPE Storage Tape Library Management Software manages, configures, and monitors tape libraries from any remote location through a single browser-based interface.

A centralized, intuitive interface enables configuration, management, and monitoring of tape libraries from a single console, on-site or remotely, streamlining operations through real-time status visibility and simplified access to library settings - with HPE Storage Command View for Tape Libraries.

Enable predictive analytics and detailed health and performance reporting across all drives and cartridges to help IT teams optimize resources, plan proactively, and maintain smooth, reliable operations - with HPE StoreEver MSL Command View for Tape Libraries TapeAssure Advanced LTU.

Flexible and Reliable

Expand capacity or performance with easy-to-install LTO drive upgrade kits. Add a new LTO-9, LTO-8, or LTO-7 drive, or reuse one from an existing HPE autoloader or tape library. No additional license fees apply when adding drives to an existing library.

SAS and Fiber Channel (FC) interface options available, offering enhanced flexibility for seamless integration into both SAS and FC environments.

The HPE Storage MSL2024 Tape Library works with industry-leading servers, operating systems, and backup software. For more information, please see the HPE Storage Single Point of Connectivity Knowledge - SPOCK.

Removable magazines with user-configurable mail slots.

Long-term data archiving with a 30-year media shelf life in normal ambient conditions.

Technical specifications	HPE Storage MSL2024 Tape Library
Drive type	LTO-9 Ultrium 45000; LTO-8 Ultrium 30750;
Capacity	1.1 PB Maximum capacity, with LTO-9 Ultrium 45000 cartridges compressed at 2.5:1
Transfer rate	300 MB/s
Number of cartridge slots	24 cartridge slots
Maximum drives per enclosure	Up to 2
Servers supported	See HPE Storage Single Point of Connectivity Knowledge at https://h20272.www2.hpe.com/SPOCK/
Host interface	8 GB/s Native Fibre Channel; 12 GB/s SAS (LTO-9), 6 GB/s SAS (LTO-7 and LTO-8)
Encryption capability	AES 256-bit
Form factor	2U
Warranty	Hewlett Packard Enterprise provides a 1-year, next business day on-site, part exchange, limited warranty for the MSL2024 Tape Library and its components including drives, plus 9x5 phone support for the duration of the warranty. For more details, please visit HPE Services.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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