HPE StoreEver MSL6480 Tape Library



What's new

- The HPE StoreEver MSL6480 Tape Library now supports LTO-9 technology.
- LTO-9 SAS drives are available on a 12 Gb/s interface.

Overview

Are your ever expanding data storage, protection and retention needs getting out of hand? Are you concerned about how secure your data will be in the event of a ransomware attack? The HPE StoreEver MSL6480 Tape Library is the gold standard for mid-range tape automation, delivering best-in-class scalability, density, and performance to meet your short-term backup and disaster recovery data protection needs, as well as long-term archival requirements. Keep pace with data growth by seamlessly scaling up to seven modules—without disrupting daily data protection. Reduce TCO by reusing HPE StoreEver MSL tape drives while adding more capacity and performance as you need it. Competitively priced, the HPE StoreEver MSL6480 Tape Library offers an outstanding return on your storage investment.

Features

Driving the Industry in Scalability for a Better Tape Solution

The HPE StoreEver MSL6480 Tape Library preserves your initial capital investment with a single solution that scales seamlessly to accommodate your requirements. You can effortlessly address both your short-term and long-term storage needs and respond to unpredictable growth, service or changes.

The HPE StoreEver MSL6480 Tape Library has scale-out architecture which allows you to grow as you need—simply add in new modules to boost capacity and performance without investing in a whole new library. When needed, upgrades are fast and non-disruptive.

Scale vertically from 80 to 560 cartridge slots to store up to 25.2 PB[1] in a single 19-inch rack; add in between 1 to 42 LTO-9, LTO-8, LTO-7 or LTO-6 half-height SAS or Fibre Channel (FC) drives for speeds of up to 60.4 TB/hour.[1]

You can easily manage expansion module installations as they are simple to configure and remove. The HPE StoreEver MSL6480 Tape Library features a touch operator control panel with wizards for easy install and configuration.

HPE StoreEver MSL tape libraries easily manage your media both in or out of the tape library with a standard bar code reader and configurable 10-slot removable magazines.

Reduce Administration Time—Enterprise-class Manageability and Reliability

The HPE StoreEver MSL6480 Tape Library will free up your resources with automated, consolidated, and simplified data protection and archive capabilities that reduce human intervention and error, adding more to your bottom line.

Your administrators can manage, configure, and use the library from any location with HPE Command View for Tape Libraries (CVTL), a web-based remote management tool.

Administrators can proactively and intelligently monitor utilization, operational performance and overall life and health of the library, drives and media with HPE TapeAssure Advanced, a licensed feature of HPE CVTL.

HPE TapeAssure Advanced is designed to reduce unscheduled backup downtime, mitigate the risks in hardware failures and increase the return on investment through higher asset utilization.

HPE Data Verification is another licensed feature of HPE CVTL which proactively validates and scans, non-disruptively, the quality of data stored on LTO tape cartridges, which helps ensure the successful retrieval of critical business data from archive if needed.

Save Money—Reduce Power, Cooling, Floor Space, and Hardware Costs

The HPE StoreEver MSL6480 Tape Library offers 13 cartridge slots, or up to 585TB per 1U of rack space using LTO-9 drives, while providing the highest tape drive density per module of any mid-range tape library, providing flexible options to consider for your business.

The HPE MSL6480 Tape Library offers scalability from 80 to 560 slots with a single expandable library, so there's no need to rip and replace as your storage requirements grow.

For unmatched investment protection, you can reuse any tape drives from a HPE StoreEver MSL 1/8 autoloader, HPE StoreEver MSL2024, or HPE StoreEver MSL3040 in the HPE StoreEver MSL6480 Tape Library, and upgrade existing drives to the latest generation.

Partitioning allows each partitioned library to be presented to the host as an independent library, separate from other partitions in the library.



Reduce Risk—Dependable Multi-year Data Protection and Security

Safeguard your data in the library, after export, and when it's offsite with several security encryption offerings. Select from either the low-cost security solution for small to medium business or leverage larger enterprise encryption options with support of KMIP compliant encryption key servers.

Depend on long-term data archiving with media specified to a 30-year shelf-life in normal ambient conditions. Easily transport rugged LTO cartridges off-site for disaster recovery purposes, and use WORM media for protection against accidental overwrite.

High availability path failover uses host drivers in conjunction with library and drive firmware to manage multiple paths across multiple SANs, present a single drive or robot path to applications, and automatically transfer commands to the new path if the original path is lost.

HPE data verification software is available on the HPE StoreEver MSL6480 Tape Library to increase data restore reliability by scanning infrequently accessed LTO tapes to monitor data quality and media health.

Technical specifications — HPE StoreEver MSL6480 Tape Library

Drive type	LTO-9 Ultrium 45000 LTO-8 Ultrium 30750 LTO-7 Ultrium 15000 LTO-6 Ultrium 6250 Available with SAS or Fibre Channel interfaces
Capacity	45TB starting 25.2PB maximum Assumes use of LTO-9 with 2.5:1 data compression
Host interface	8 Gb/s Fibre Channel 6 Gb/s SAS (LTO-6, LTO-7, LTO-8) 12 Gb/s SAS (LTO-9)
Transfer rate	113.4 TB/hr maximum, compressed
Number of cartridge slots	80 slots per 6U module, scale from 80 to 560 slots in a fully expanded HPE StoreEver MSL6480 Tape Library
Encryption capability	AES 256-bit
Form factor	6U per module to a maximum of 42U
Product dimensions (metric)	26.8 x 47.5 x 89.2 cm
Weight	The weight of each library varies somewhat based on the type and number of LTO tape drives and LTO media contained in the configuration
Warranty	1-year parts, 1-year labor, 1-year onsite support coverage. For more warranty information refer to http://h20564.www2.hpe.com/hpsc/wc/public/home.

[1] Assumes LTO-9 with 2.5:1 data compression

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

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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.

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

HPE GreenLake

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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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