HPE StoreEver MSL6480 Tape Library

Setting the new standard for midrange automation

Are your ever expanding data storage, protection and retention needs getting out of hand?

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 7 modules—without disrupting daily data protection. You also save extensive space, as the MSL6480 provides the highest tape drive density per module of any mid-range tape library.

The MSL6480 Tape Library reduces the time and resources needed to achieve enterprise-class manageability, equipping you with proactive monitoring on single pane of glass control. Reduce TCO by reusing current MSL tape drives and adding more capacity and performance as you need it. Competitively priced, the MSL6480 Tape Library offers an outstanding return on your storage investment.

Benefit from enterprise-class data storage, retention, and scalability—affordably priced and designed for your mid-size business.

Key features and benefits

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 MSL6480 Tape Library has scale-out architecture which allows you to pay as you grow-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 8.4 PB[1] in a single 19-inch rack; add in between 1 to 42 LTO-7, LTO-6, LTO-5, or LTO-4 half-height SAS or FC drives or 1 to 24 LTO-5 or LTO-4 full-height SAS or FC drives for speeds of up to 105.8 TB/hour.[1]

You can easily manage expansion module installations as they are simple to configure and remove. The MSL6480 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 across the room or across the globe with HPE-unique, web-based remote management adniadgnostic tools.

Administrators can proactively and intelligently monitor utilization, operational performance and overall life and health of the library, drives and media with TapeAssure software.

HPE TapeAssure Advanced software provides a complete tape analytics infrastructure that is designed to reduce unscheduled backup downtime, mitigate the risks in hardware failures and increase the return on investment through higher asset utilization.

Save Money—Reduce Power, Cooling, Floor Space and Hardware Costs
The HPE StoreEver MSL6480 Tape Library offers 13 cartridge slots, or up to 200 TBs per 1U of rack space using LTO-7 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 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 MSL2024, 4048, 8048 and 8096 tape drive kits in the MSL6480 Tape Library. 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 StoreOpen Linear Tape File System (LTFS) provides file management capabilities, making tape as easy to access and share as disks. Retrieve files from long-term storage without depending on backup software or hardware.

[1] assumes LTO-7 with 2.5:1 data compression

Technical Specifications

HPE StoreEver MSL6480 Tape Library

Drive type	LTO-7 Ultrium 15000; LTO-6 Ultrium 6250; LTO-5 Ultrium 3000; LTO-4 Ultrium 1760/1840; Available with SAS or FC interfaces
Number of cartridge slots	80 slots per 6U Module; Scale from 80 to 560 slots in a fully expanded MSL6480 Tape Library
Capacity	1.2PB Starting; 8.4PB Maximum; Assumes use of LTO-7 with 2.5:1 data compression
Transfer rate	105.8 TB/hr; Maximum; Assumes use of 42 LTO-7 tape drives with 2.5:1 data compression
Host interface	8 Gb Fibre Channel or; 6 Gb/sec SAS or; 4 Gb Fibre Channel or; 3 Gb/sec SAS
Encryption capability	AES 256-bit
Form factor	6U per module to a maximum of 42U
Warranty (parts-labor-onsite)	1/1/1

Optional software and hardware

HPE CommandView for Tape Libraries	HPE Command View for Tape Libraries aggregates multiple HPE tape libraries for centralized management. It is also the nerve center for StoreEver TapeAssure data collection and analysis and, importantly it is able to manage HPE ESL G3, ESL E-Series, EML, and MSL tape libraries. With Command View TL monitor backup logs, check drive status, receive trouble alerts, diagnose problems, and much more—through a simple browser interface from anywhere in the world. Set up and configure your FC or SAS attached tape library with configuration wizards and graphical interface.
HPE TapeAssure Advanced	Complete tape infrastructure analytics software designed to reduce unscheduled backup downtime, mitigate the risks in hardware failures and increase the return on investment through higher asset utilization. HPE StoreEver TapeAssure Advanced Software provides an intuitive, easy to use dashboard, and advance analytics feature for performance, health and utilization related to tape drives and cartridges. TapeAssure Advanced Software is integrated into HPE StoreEver Command View TL Software for single pane of glass management, monitoring and analytics.
High Availability Control Path/Data Path Failover	High availability path failover uses host drivers in conjunction with library and LTO-6 FC 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. This transfer is invisible to most applications, avoiding the need for user intervention.
HPE LTO Ultrium Tape Cartridges	Exhaustively tested, HPE LTO Ultrium cartridges meet all of your demands for improving reliability when restoring data, offering high storage density, ease of management, and scalable storage and backup performance.

Get the services you need

Choose from a rich portfolio of services to make the most of HPE Storage, so you can move with confidence to take full advantage of the broadest, most advanced portfolio in the industry.

Discover, plan, and design—understand your options and build it right from day one:

• HPE Backup Recovery Efficiency Analysis

• HPE Backup Recovery Impact Analysis

• HPE Backup Recovery Modernization

HPE Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment. hp.com/go/factoryexpress

Gain the skills you need with ExpertOne training and certification. With HPE Converged Storage training, you will accelerate your technology transition, improve operational performance, and get the best return on your HPE investment. Our training is available when and where you need it, through flexible delivery options and a global training capability. hp.com/learn/storage

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment. hp.com/go/hpfinancialservices

Resources
QuickSpecs

Deploy and integrate—increase uptime and decrease risk as you free up your resources:

• HPE Installation and Startup Service for HPE StoreEver Storage Systems

• HPE Storage Data Migration Services

• HPE Storage and Data Consultant Residency Service

• HPE Proactive Select

Operate and support—meet service level agreements (SLAs) with the right support level. Choose from three levels of operate and support care:

Optimized Care—With products connected to HPE and proactive advice, deliver the highest levels of performance and stability through deployment and proactive management. Proactive Care 24x7, plus 20 Proactive Select Credits for the 1st year

• Additional options—HPE Proactive Care Personalized Support (once per each new Proactive Care support environment), HPE Personalized Support Additional Day, an additional 10 HPE Proactive Select credits per year

Standard Care—With products connected to HPE and proactive advice, maintain high level of uptime, along with expert help to cut the cost and complexity of implementation and support.

• HPE Proactive Care 24x7—Plus, 10 Proactive Select Credits for the 1st year

• Additional options—HPE Proactive Care Personalized Support (once per each new Proactive Care support environment), HPE Personalized Support Additional Day, an additional 10 HPE Proactive Select credits per year

Basic Care—With products connected to HPE and proactive advice, minimum recommended support.

• HPE Foundation Care 24x7

• Additional options—10 HPE Proactive Select credits per year

If none of our support recommendations meet your needs, we can tailor a service solution for your unique support requirements. Only HPE brings together deep expertise, proactive and business critical support and a strong partner network—plus, a full set of infrastructure services designed to power a Converged Infrastructure.

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