



HP 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 HP StoreEver MSL6480 Tape Library is the gold standard for midrange tape automation, delivering next generation 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 3.5 PB in a single tape library—without disrupting daily data protection. You also save extensive space, as the StoreEver MSL6480 Tape Library provides the highest storage density per 1U of rack space of any midrange tape library.

The StoreEver 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 total cost of ownership (TCO) by reusing current HP MSL Tape Drives, and adding more capacity and performance as you need it. Competitively priced, the StoreEver tape library offers an outstanding return on your storage investment.

Key features and benefits

Driving the industry in scalability for a better tape solution

The HP 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 change.

The StoreEver 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. You can scale vertically from 80 to 560 cartridge slots to store up to 3.5 PB in a single 19-inch rack; add in between 1 and 42 half-height or 1-24 full height LTO tape drives. SAS or Fibre Channel (FC) drives for speeds up to 60.4 TB/hr (assumes LTO-6 with 2.5:1 data compression) which can save you lots of time.

(Note: All performance quoted assume fully expanded tape library with LTO-6 at 2.5:1 compression.)

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

HP StoreEver MSL Tape Libraries easily manage your media both in and out of the tape library with a standard bar code reader and configurable 10-slot magazines.

Reduce administration time—enterprise-class manageability and reliability

The HP StoreEver MSL6480 Tape Library can 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. Administrators can manage, configure, and use the library from across the room or across the globe with HP-unique, Web-based remote management and diagnostic tools.

Administrators can proactively and intelligently monitor utilization, operational performance, and overall life and health of the drives and media in your tape infrastructure with HP StoreEver TapeAssure Advanced software.

Save money—reduce power, cooling, floor space, and hardware costs

The HP StoreEver MSL6480 Tape Library offers 13 cartridge slots, or up to 81 TB per 1U of rack space using LTO-6 drives, while providing the highest tape drive density per module of any midrange tape library, providing flexible options to consider for your business.

The StoreEver 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. This consolidated solution saves media, servicing, power, cooling, and other management overheads.

For existing customers, you can reuse your HP StoreEver MSL2024, MSL4048, MSL8048, and MSL8096 tape drive canisters in the StoreEver MSL6480 Tape Library to leverage existing investments. Partitioning enables even greater asset utilization by consolidating multiple libraries and applications into a single tape library.

Technical specifications

HP StoreEver MSL6480 Tape Library

Drive type	Available with LTO-6 Ultrium 6250, LTO-5 Ultrium 3280 or 3000, or LTO-4 Ultrium 1840 or 1760 tape drives with SAS or FC interfaces
Number of cartridge slots	Scale from 80 to 560 slots in a fully expanded seven module StoreEver MSL6480 Tape Library One 6U base module—80 slots Up to six 6U expansion modules—80 slots per module Max configuration: 560 slots (7 modules)
Capacity	Maximum, compressed 3.5 PB (assumes 2.5:1 compression with LTO-6)
Transfer rate	Maximum, compressed 60.4 TB/hr (assumes 2.5:1 compression with LTO-6)
Host interface	6 Gb/s SAS, 8 Gb FC
Encryption capability	Advanced Encryption Standard (AES) 256-bit
Form factor	6U per module to a maximum of 42U
Warranty (parts-labor-onsite)	1/0/0

Optional software and hardware

Data encryption and key management

Safeguard your data while it's in the HP StoreEver MSL6480 Tape Library, after export, and when it's off-site with integrated security features. The HP StoreEver MSL Encryption Kit delivers data security without reliance on ISV support. One encryption kit is needed per library and includes two USB key server tokens. The key server token uses the USB port in the library and can generate and maintain encryption keys for LTO-6, LTO-5 or LTO-4 tapes. The keys are transferred with enhanced security token-to-token for backup or export, with no exposure to insecure PCs, servers, or networks. For enterprise encryption key manager support, the MSL6480 is supported with the HP Enterprise Secure Key Manager (ESKM).

HP StoreEver TapeAssure Advanced software

The TapeAssure Advanced software dashboard displays pie charts, live and historical performance graphs, and health and utilization data, highlighting issues within the tape infrastructure. An advanced analytics feature makes use of predictive analytics to pre-empt the likelihood of failures, bottlenecks, and load balancing issues. It has unique capabilities of analytics around drive health and life, as well as cartridge health and life. Analysis of drive and tape utilization forecasts help you plan hardware investments more efficiently. hp.com/go/tapeassure

HP Data Protector software

HP Data Protector software is backup and disaster recovery software that enables reliable, efficient data protection. It reduces backup and recovery complexity and costs by protecting virtual and physical machines and business applications with management from a central console. Sophisticated, multisite reporting validates the backup and restores process. Centralized management and a flexible licensing structure can reduce the cost of ownership by up to 70% relative to other backup and recovery applications. hp.com/go/dataprotector

HP LTO Ultrium Tape Cartridges

Exhaustively tested, HP 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.

Reduce risk—dependable multiyear data protection and security

The StoreEver MSL6480 Tape Library can safeguard your data while it's in the library, after export, and when it's off-site with integrated security features. HP native library-based data encryption and key management capabilities deliver a low-cost data security solution that doesn't require ISV support.

You can 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.

HP 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.

Get the support you need

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

- HP Installation and Startup Service for HP StoreEver Storage Systems
- HP Storage Data Migration Services
- HP Storage and Data Consultant Residency Service
- HP 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**—delivers best performance and stability through deployment and proactive management practices
HP Proactive Care 24x7—Plus, 20 credits per year
Additional options: HP Proactive Care Personalized Support (once per each new Proactive Care support environment), HP Personalized Support Additional Day, and an additional 10 HP Proactive Select credits per year

- Standard Care—maintains high level of uptime, along with expert help to cut the cost and complexity of implementation and support
HP Proactive Care 24x7—Plus, 10 credits per year
Additional options: HP Proactive Care Personalized Support (once per each new Proactive Care support environment), HP Personalized Support Additional Day, and an additional 10 HP Proactive Select credits per year
- Basic Care—minimum recommended support
Support Plus 24—Plus, 10 credits per year
Additional options: 10 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 HP 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.

For more information, visit hp.com/services/storage.

HP Factory Express

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment.

hp.com/go/hpfinancialservices

HP 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

Customer technical training

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

Learn more at
hp.com/go/tape

Resources

[QuickSpecs](#)

[Buy online](#)

Sign up for updates
hp.com/go/getupdated



Share with colleagues



Rate this document

