

Family data sheet

HP StoreEver MSL Tape Libraries



Unattended backup, DR, and archiving for your business



Automate your backup with a tape library that provides a choice of Linear Tape-Open (LTO) Ultrium tape drives, remote management, data encryption, and investment protection with performance and capacity upgrades.

HP StoreEver Midrange Storage Libraries (MSL) Tape Libraries meet the demanding data storage needs including unattended backup, archive, and disaster recovery for a wide range of businesses. The MSL Tape Libraries offer a choice of storage capacity including LTO-6, LTO-5, or LTO-4 Ultrium tape drives. With unique HP Web-based remote management, the MSL Tape Libraries are easily managed from across the room or across the globe with fewer IT staff. You can easily manage your media both in and out of the library with the standard bar code reader, a configurable mail slot, and removable magazines. Protect your data from unauthorized access with an MSL library-based encryption option so that your business data cannot be accessed if lost or stolen.

Key features and benefits

Easy to manage and use

- Offers a wide range of capacity points from 9.6 TB to 3.5 PB of compressed capacity (2.5:1) in a variety of rack ready form factors
- Manage, configure, and use the library from across the room or across the globe with the HP Web-based remote management and diagnostics
- Monitor drive and media utilization, operational performance, life and health information of drive and media proactively with TapeAssure and TapeAssure Advanced
- Manage your media both in and out of the tape library with a standard bar code reader and configurable removable magazines

Protection and flexibility

- Native encryption on LTO-6, LTO-5, and LTO-4 tape drives deliver high level of security for data backup, protecting confidential information and addressing compliance regulations. The MSL Encryption Kit provides up to 100 encryption keys to protect your backup independent of ISV support. For enterprise encryption key management the MSL tape libraries offer support with HP Enterprise Secure Key Manager (ESKM) and other third-party KMIP compliant key managers.
- MSL Tape Libraries can easily help increase capacity and performance with tool-free drive kits.
- Take advantage of the investment in an MSL2024, MSL4048 Tape Library leveraging the same MSL drive kits in the MSL6480 for even greater investment protection and scalability.
- MSL Tape Libraries offer various interface options for installing the tape library into a SAS or FC SAN environment.

Proven reliability

- MSL Tape Libraries work with industry-leading servers, operating systems, and backup software including HP Data Protector software. To find more information visit hp.com/go/ebs.

Technical specifications



MSL2024 Tape Library



MSL4048 Tape Library



MSL6480 Scalable Tape Library

Maximum drives per library	2-LTO-6 Ultrium 6250 1-LTO-5 Ultrium 3280 2-LTO-5 Ultrium 3000 1-LTO-4 Ultrium 1840 2-LTO-4 Ultrium 1760	4-LTO-6 Ultrium 6250 2-LTO-5 Ultrium 3280 4-LTO-5 Ultrium 3000 2-LTO-4 Ultrium 1840 4-LTO-4 Ultrium 1760	1-42 LTO-6 Ultrium 6250 1-42 LTO-5 Ultrium 3000 1-42 LTO-4 Ultrium 1760 1-24 LTO-5 Ultrium 3280 1-24 LTO-4 Ultrium 1840
Number of cartridge slots	24	48	80-560 80 slots (base module) 80 slots (expansion module) can add up to 6 Max configuration: 560 slots (7 modules)
Host interface	8 Gb Fibre Channel 4 Gb Fibre Channel 6 Gb/sec SAS 3 Gb/sec SAS	8 Gb Fibre Channel 4 Gb Fibre Channel 6 Gb/sec SAS 3 Gb/sec SAS	8 Gb Fibre Channel 6 Gb/sec SAS
Maximum capacity (2.5:1 compression)	150 TB (LTO-6)	300 TB (LTO-6)	3.5 PB (Ultrium 6250)
(2:1 compression)	72 TB (LTO-5)	144 TB (LTO-5)	1.6 PB (Ultrium 3000)
(2:1 compression)	38.4 TB (LTO-4)	76.8 TB (LTO-4)	
Encryption capability	AES 256-bit Note: For Ultrium 6250, 3280, 3000, 1840, and 1760 drives only	AES 256-bit Note: For Ultrium 6250, 3280, 3000, 1840, and 1760 drives only	AES 256-bit Note: For Ultrium 6250, 3280, 3000, 1840, and 1760 drives only
QuickSpecs URL	http://h18000.www1.hp.com/products/quickspecs/13258_div/13258_div.pdf	http://h18000.www1.hp.com/products/quickspecs/13258_div/13258_div.pdf	http://h18004.www1.hp.com/products/quickspecs/14604_div/14604_div.pdf
Form factor	2U	4U	6U Base Module 6U Expansion Module (up to 6 in a full library)
Warranty and services included	The warranty for this product consists of 1-year parts exchange, next business day	The warranty for this product consists of 1-year parts exchange, next business day	MSL6480: The warranty for this product consists of 1-year onsite, next business day

Customer technical training

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

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

HP Services

Choose from a rich portfolio of services to make the most of HP 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:

- HP Backup Recovery Efficiency Analysis
- HP Backup Recovery Impact Analysis
- HP Backup Recovery Modernization

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 a 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 per array

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.

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