

HP StorageWorks MSL2024 Tape Library

Data sheet



The HP StorageWorks MSL2024 Tape Library combines native capacity of up to 9.6 TB and tape library features in a compact 2U form factor. Ideal for replicated systems, web-based management allows centralised management of many sites. The MSL2024 Tape Library offers configuration choices with either one HP StorageWorks Ultrium 960 SCSI or FC Tape Drive, or up to two HP StorageWorks Ultrium 448 Tape

Drive units. If only one Ultrium 448 Tape Drive is selected, a second Ultrium 448 Tape Drive can be installed later if backup needs grow. The library also offers two 12-slot removable magazines, one mail slot and a bar code reader for efficient media management. All MSL2024 Tape Library systems and associated kits are RoHS compliant.

The HP StorageWorks MSL2024 Tape Library is the highest density tape library in a 2U form factor designed for medium- to large-sized businesses which deploy multiple replicated systems. An integrated web-based remote manageability feature is standard allowing for simple management capability from any remote or on-site location.

An entry-level tape library providing high-capacity data storage in a compact 2U form factor, with advanced features such as web-based remote management.

Key features and benefits

- **Greater value** – The MSL2024 Tape Library provides an incredible amount of backup and recovery storage without consuming valuable rack space in an entry-level package. Ultrium 960 tape technology offers 9.6 TB of native storage capacity in a 2U form factor.
- **Simplifies IT** – Integrated web-based remote management capability allows a remote administrator to control and troubleshoot the device, thus relieving the customer of costly on-site IT resources.
- **Integrated solution** – Standard bar code reader provides faster inventory times and facilitates tracking of media.
- **Agility in storage and movement of data** – For dedicated import/export of media cartridges, each library includes one user-enabled mail slot. The library includes two removable 12-slot magazines for bulk loading of media and also provides a convenient bulk storage unit for moving media off-site.
- **Investment protection for performance and capacity needs** – Choose library capacity with one Ultrium 960 Tape Drive or up to two Ultrium 448 Tape Drives. Upgrade the performance of the tape library from one to two Ultrium 448 Tape Drives through the addition of a second Ultrium 448 Tape Drive.
- **Flexible interface** – SCSI and FC interfaces provide options for installing the tape library into a SCSI or SAN environment.
- **RoHS compliant** – Meets lead-free initiatives required for EU compliance.
- **Customer serviceable and replaceable components** – Easy-to-manage modular design of tape library allows for quick service or repair of unit to reduce downtime and maximise efficiency.
- **Extensive compatibility testing** – Works with industry-leading servers, operating systems and backup software. For more information, please visit: www.hp.com/go/ebs

HP StorageWorks MSL2024 Tape Library



Form factor	2U
Tape drives supported	Ultrium 960 Fibre Channel (FC) Ultrium 960 Ultrium 448
Number of tape drives	One Ultrium 960 SCSI LVD Tape Drive One Ultrium 960 FC Tape Drive One or two Ultrium 448 Tape Drives
Number of cartridge slots	24
Maximum capacity (native)	4.8 – 9.6 TB Note: Depending on drive type
Maximum sustained transfer rate (native)	86.4 – 288 GB/hr Depending on drive type; one drive configurations
Interface options	Native Fibre Channel (4 GB with AG326B and AG328B) Ultra320 LVD/SE SCSI Ultra160 LVD/SE SCSI
Rack-mounting kits	Included with each library (1) rackmount installation kit (for use with HP's 10000 series, 9000 series, 5000 series or System/E racks)
Dimensions (HxWxD)	8.8 x 44.5 x 80.7 cm 25 x 58 x 99 cm (shipping)
Weight	34.3 lb/15.6 kg 57.5 lb/26.1 kg (shipping)
Recommended media	For information on recommended HP Storage Media, please visit: www.hp.com/go/storagemedia
Backup software	Reference the EBS Compatibility Matrix for the most up-to-date ISV compatibility information (www.hp.com/go/ebs)
Supported operating systems	Reference the EBS Compatibility Matrix for the most up-to-date OS compatibility information (www.hp.com/go/ebs)
Supported products – type/names	Reference the EBS Compatibility Matrix for the most up-to-date server compatibility information (www.hp.com/go/ebs)

Ordering information

Product number/SKU	Product name	Description
AG115A	MSL2024 One Ultrium 960 drive library	One Ultrium 960 drive, 24 slot tape library*
AG116A	MSL2024 One Ultrium 448 drive library	One Ultrium 448 drive, 24 slot tape library*
AG117A	MSL2024 Two Ultrium 448 drive libraries	Two Ultrium 448 drives, 24 slot tape library*
AG326A (AG326B)	MSL2024 One Ultrium 960 FC drive library	One Ultrium 960 FC drive, 24 slot tape library* (4 Gb FC drive with AG326B)
Options		
AG118A	MSL2024/4048 Ultrium 448 drive upgrade kit	For use with the MSL2024 one Ultrium 448 Drive Library to upgrade from one to two drives; only two Ultrium 448 drives per MSL2024 Tape Library
AG119A	MSL2024 Ultrium left magazine kit	For use only on the left side of the MSL2024; additional 12-slot magazine which includes an import/export slot
AG120A	MSL2024/4048 Ultrium right magazine kit	For use only on the right side of the MSL2024 or MSL4048; additional 12-slot magazine
AG121A	MSL2024 rack-to-tabletop conversion kit	For use in converting the rack-ready MSL2024 Tape Library into a desktop model
AG327A	MSL2024/4048 Ultrium 960 drive upgrade kit	For use with the MSL2024 Tape Library to upgrade to Ultrium 960 tape technology; only one Ultrium 960 drive per MSL2024 Tape Library
AG328A (AG328B)	MSL2024/4048 Ultrium 960 FC drive upgrade kit	For use with the MSL2024 Tape Library to upgrade to Ultrium 960 FC tape technology; only one Ultrium 960 FC drive per MSL2024 Tape Library (4 Gb FC drive with AG328B)
What's included	Library unit; 2.5M VHDCI to HDTS68 SCSI cable (one per tape drive); .5M LVD HDTS to LVD HDTS daisy chain cable (Ultrium 448 configurations only); RJ-45 Ethernet cable; HDTS68 SCSI terminator (one per tape drive); rackmount hardware; documentation kit including User and Service Guide (CD) and Getting Started Poster	

* Includes web-based remote management, removable magazines and bar code reader; rack-ready

HP StorageWorks MSL2024 Tape Library

Warranty and services

The HP StorageWorks MSL2024 Tape Library includes 1-year, next-business-day, parts exchange.

For more information about HP's Global Limited Warranty and Technical Support, visit: ftp://ftp.compaq.com/pub/products/storageworks/warranty/EN_321708-008.pdf

HP Care Pack Services

HP Care Pack Services offer upgraded service levels to extend and expand your standard product warranty with easy-to-buy, easy-to-use support packages that help you make the most of your hardware and software investments. They let you choose the support levels that meet your business requirements, from basic to mission-critical, and help you contain total cost of ownership. For many products, post-warranty HP Care Pack Services are available when your original warranty has expired.

Why purchase an HP Care Pack service?

Your standard warranty protects against product defects. HP Care Pack Services helps you guard against unplanned downtime, which can reduce your productivity and profitability. These convenient service packages will:

- Protect your investment in HP products
- Reduce time to implementation and time to revenue return through installation and integration into your existing IT environment
- Provide consistent, predictable levels of support across your entire department or business
- Ease budget planning and reduce management costs with fixed-cost support that includes parts and labour
- Give you direct access to HP-certified storage support teams, complemented by solution partnerships with leading storage suppliers for technical and problem-solving expertise
- Offer a choice of response-time and repair-time commitments for SAN and NAS environments to improve performance and reduce downtime risks

HP Care Packs are only available in electronic version. Availability may vary by country and product. For additional information on HP Care Packs, as well as orderable part numbers, please visit: www.hp.com/hps/carepack/storage/cp_networked.html

If you have specific questions about availability or how to obtain services, contact your local HP representative. Contact information for your local area can be found at: www.hp.com/services

Recommended HP Care Pack Services

- Installation
- 4-Hour Response, 13x5 Hardware Support

Additional services information

For more information about Deployment, Per Event, Consulting and Education services for HP Storage, visit: www.hp.com/hps/storage
For more information about HP Storage Software, services and updates, visit: www.hp.com/hps/software

Financial services

HP Financial Services provides innovative financing and financial asset management programmes to help you cost-effectively acquire, manage and ultimately retire your HP solutions. For more information on these services, please contact your HP sales representative, or visit: www.hp.com/go/hpfinancialservices

Customer support

HP Customer Support provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services and support management services for deployment of the entire IT infrastructure, including HP and multi-vendor environments. For more information on these services, contact your HP sales representative or visit: www.hp.com/hps/support

For more information

For more information about the HP StorageWorks MSL2024 Tape Library and other tape-based HP storage solutions contact your local HP representative, or visit: www.hp.com/go/tape

© Copyright 2006 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

For more information visit: www.hp.com/go/automation