HPE Storage MSL3040 Tape Library

HPE Storage MSL3040 Tape Library 1x MSL LTO-9 SAS Drive 20x LTO-9 45TB Data Cartridges (P77037-B25)

What's new

– The HPE Smart Choice purchase program features popular MSL library products that can be quoted in minutes and shipped quickly through HPE authorized partners.

Overview

The HPE Storage MSL3040 Tape Library is a scalable, modular data protection solution designed for SMB to mid-sized environments. It starts with a fully functional 3U base unit that can equipped with up to 3 drives and operates as a compact yet powerful backup and archival system. From there, it can scale up to 48U with expansion modules, supporting up to 640 cartridges and 48 half-height LTO tape drives for up to 28.8 PB of compressed storage. Ideal for long-term backup and archiving, it offers data encryption, WORM support, and remote management. Providing an air-gapped solution against the threat of ransomware. The MSL3040 delivers reliable, secure, and cost-effective storage, making it the best choice for businesses needing secure, scalable, and low cost data retention.

Features

Highly Scalable for Greater Flexibility

HPE Storage MSL3040 Tape Library scales vertically from 40 to 640 cartridge slots to store up to 28.8 PB in a single 19-inch rack by simply adding additional modules to boost capacity without the need to invest in a whole new library.

Reduce cost and helps maximize ROI with better utilization of rack space—600 TB per 1U.

Supports up to 48 half-height LTO-9, LTO-8, or LTO-7 SAS or FC Ultrium drives for exceptional performance. Drives and expansion units install easily and configure quickly without disruption.

Cost Effective Tape Storage Solution

HPE Storage MSL3040 Tape Library offers 13 cartridge slots or 600 TB (using LTO-9 tapes and 2.5:1 compression) of capacity per 1U of rack space, scaling from 40 to 640 slots with a single expandable library; there is no need to replace it as your requirements grow.

For investment protection, you can reuse existing LTO-9, LTO-8, or LTO-7 drives or upgrade to new drives. There are no additional license fees for installing new drives in an existing library.

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

Enterprise-class Manageability and Reliability

HPE Storage Tape Library Management Software manages, configures, and monitors tape libraries from any remote location through a single browser-based interface.

HPE Storage MSL3040 Tape Library reduces human intervention and error by freeing up your resources with automated, consolidated, and simplified data protection and archive capabilities, adding more to your bottom line.

HPE Storage Tape Library Management Software - TapeAssure Advanced provides predictive, analytical reporting of health and performance information for all drives and cartridges. It can also be used to track consumption metrics, enabling IT admins to make timely investments.

HPE Storage Tape Library Management Software - Data Verification proactively validates and non-disruptively scans the quality of data stored on LTO tape cartridges, helping ensure the successful retrieval of data.

Easily manage your media both in or out of the library with a standard barcode reader and removable magazines.

Reduce Risk with Advanced Security Features and Reliability

HPE Storage MSL3040 Tape Library provides complementary layers of defense and improves security by isolating, protecting, and segregating critical data from unauthorized access and potential threats.

Reduce the threat of cyberattack with the MSL encryption kit, a fully self-contained encryption system which can be deployed without the need for an extra server or appliance, additional software or the complexity of a full KMIP solution.

HPE StoreEver MSL3040 Secure Manager LTU provides an additional level of security that lets you control access to the tape library by authorizing specific servers. It increases reliability by blocking disruptive traffic from unauthorized hosts to the library.

High availability path failover uses host drivers in conjunction with library and drive firmware to manage multiple paths across multiple SANs. It presents a single drive or robot path to applications and automatically transfers commands to an alternate path if the original one is lost.

Technical specifications	HPE Storage MSL3040 Tape Library 1x MSL LTO-9 SAS Drive 20x LTO-9 45TB Data Cartridges
Product Number	P77037-B25
Drive type	LTO-9 Ultrium 45000 SAS
Capacity	900 TB maximum out of the box (compressed 2.5:1)
Host interface	12 GB/s SAS (LTO-9)
Transfer rate	300 MB/s
Number of cartridge slots	40 slots for the base module
Encryption capability	AES 256-bit
Form factor	3U per module to a maximum of 48U
Product dimensions	13.3 x 48.2 x 87.3 cm (HxWxD)
Weight	The weight of each library varies 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 https://support.hpe.com/hpesc/public/home

HPE Services

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.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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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.

PSN1014862532CZEN, August, 2025.

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