

HPE StoreEver MSL3040 Tape Library

HPE StoreEver MSL3040 Scalable Library Base Module (Q6Q62C)



What's new

- The MSL3040 tape library now supports up to 15 expansion modules, scaling up to a capacity of 28.8 PB [2]
- MSL3040 tape library 48U spooling kit is now available. This enables existing MSL3040 customers to add additional expansion modules (see QuickSpecs for more details)

Overview

The enormous, data-driven potential of emerging technologies such as 5G, AI, ML, and IoT is creating a plethora of opportunities for businesses to transform their operations. The challenge is that though these opportunities abound, they are truly diverse and may require very different storage optimizations. The highly scalable HPE StoreEver MSL3040 Tape Library offers enormous storage density in a cyber-resilient, scalable, and flexible form factor, which can start small but grow very big indeed, all the while costing less to run and own than other archival storage alternatives. With its modular design and ability to upgrade and reuse MSL LTO upgrade drive kits, you can cost-effectively store up to 28.8 PB of data. [1] The MSL3040 offers exceptional enterprise features and functionality. It delivers a tape storage solution that addresses long-term data management challenges, while also providing an air-gapped solution against the threat of ransomware.

Features

Highly Scalable for Greater Flexibility

HPE StoreEver MSL3040 Tape Library scales vertically from 40 to 640 cartridge slots to store up to 28.8 PB in a single 19-inch rack simply adding additional modules to boost performance and 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.

Add between 1 and 48, LTO-9, LTO-8, or LTO-7 half-height SAS or Fibre Channel (FC) Ultrium drives for blazing performance. Drives and expansions are easily installed and configured through fast and non-disruptive upgrades.

Get better answers more quickly. Gain competitive advantage in identifying customer needs, new product development, supply chain, and manufacturing by being able to store and analyze all your unstructured data on-prem and under your control.

Cost Effective Tape Storage Solution

HPE StoreEver MSL3040 Tape Library offers 13 cartridge slots or 600 TB [3] 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 LTO-9, LTO-8, or LTO-7 drives from an HPE MSL 1/8 autoloader, MSL2024, or MSL6480 in the HPE StoreEver MSL3040 Tape Library. 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

With HPE Command View for Tape Libraries (CVTL), HPE StoreEver MSL3040 Tape Library can be managed, configured, and monitored from any remote location through a browser-based interface.

HPE StoreEver 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 StoreEver MSL Command View for Tape Libraries - 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 StoreEver MSL3040 Command View for Tape Libraries 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 StoreEver MSL3040 Tape Library provides the ultimate last line of defense safeguard against the threat of ransomware as data stored on tape can be kept truly offline from the rest of the network behind an air gap.

Reduce the threat of cyberattack and other hostile incidents with the inexpensive MSL encryption kit, a unique, self-contained encryption solution, which strengthens the innate air gap capabilities of a modern tape system without the need for dedicated software and appliances.

HPE StoreEver MSL3040 Secure Manager License 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 StoreEver MSL3040 Scalable Library Base Module

Product Number	Q6Q62C
Drive type	LTO-9 Ultrium 45000 LTO-8 Ultrium 30750 LTO-7 Ultrium 15000 Available with SAS and Fibre Channel interfaces
Capacity	Up to 28.8 PB, maximum assuming 640 slots with LTO-9 compressed 2.5:1
Host interface	8 GB/s Fibre Channel 6 GB/s SAS (LTO-7, LTO-8) 12 GB/s SAS (LTO-9)
Transfer rate	300 MB/s
Number of cartridge slots	Scale from 40 to 640 slots in a fully expanded HPE StoreEver MSL3040 Tape Library 40 slots for the base module 40 slots per each expansion module
Encryption capability	AES 256-bit
Form factor	3U per module to a maximum of 48U
Product dimensions (metric)	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

[1] 640 slots with LTO-9 media compressed 2.5:1

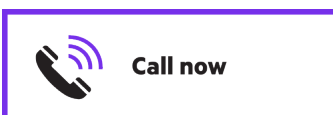
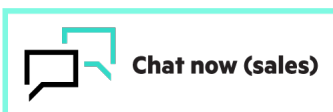
[2] 13 slots with LTO-9 media compressed 2.5:1



[For additional technical information, available models and options, please reference the QuickSpecs](#)

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The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

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.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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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 [PSN1014701323BEEEN](#), December, 2024.