

HPE Storage MSL Entry-level Tape Automation

HPE Storage MSL 1/8 Tape Autoloader 1x MSL LTO-9 SAS Drive 5x LTO-9 45TB Data Cartridges (P84148-B25)



What's new

- HPE Storage MSL Entry-level Tape Automation now supports Multi-factor Authentication (MFA).
- HPE Smart Choice models with MSL tape autoloader featuring LTO-8 & LTO-9 drives are available with FC or SAS interfaces. These models can be quickly quoted and shipped through HPE authorized partners.

Overview

HPE Storage MSL Entry-level Tape Automation products helps SMB customers meet long-term data retention requirements while providing air-gapped protection against ransomware threats. The HPE Storage MSL 1/8 Gen3 O-drive Tape Autoloader supports a wide range of capacity options with LTO-9, LTO-8, or LTO-7 Ultrium drives, offering scalable, cost-effective storage for growing businesses. With HPE Command View for Tape Libraries (CVTL) - part of the HPE Storage Tape Library and Management Software family—the MSL 1/8 Autoloader is easy to manage remotely, minimizing the need for on-site IT support. Media management is simplified with an integrated barcode reader, configurable mail slot, and removable magazines. Optional data encryption guards against unauthorized access - even if a tape is lost or stolen. Quickly increase capacity and/or performance with tool-free drive upgrades or move tape drive kits to the MSL3040 or MSL6480 for scalability and additional enterprise-class features.

Features

Exceptional Storage Density, Flexibility, and Protection

360 TB (2.5:1 compression using LTO-9 tape cartridges).

Protect critical business data from the growing threat of ransomware attacks by providing an air-gap that keeps data offline.

Increase capacity and/or performance with tool-free drive upgrade kits.

Safeguard your data both in the library and offsite with a range of encryption offerings. Choose the cost-effective HPE StoreEver MSL Encryption Kit—ideal for small to medium businesses—or take advantage of enterprise-grade security with support for KMIP-compliant encryption key servers.

Improving security has become a critical priority for businesses as ransomware threats continue to escalate. Multi-factor Authentication (MFA) adds an extra layer of protection by strengthening login credentials and helping prevent unauthorized access to the tape library.

Easy to Use and Manage

HPE Storage Tape Library Management Software, including HPE CVTL and the licensed feature, HPE StoreEver Autoloader Command View for Tape Libraries - TapeAssure Advanced, offers a user-friendly web-based remote management interface, reducing the need for dedicated IT staff at remote offices.

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

HPE StoreEver Autoloader Command View for Tape Libraries - TapeAssure Advanced offers an intuitive dashboard and advanced analytics for predictive analysis. It enables proactive monitoring of utilization, operational performance, and the overall health and lifespan of the library, drives, and media.

Proven Reliability

Long term data archiving with a 30-year media shelf life in normal ambient conditions.

Compatibility

HPE Storage tape products work with industry-leading servers, operating systems and backup software. See the HPE Storage compatibility matrix for more information: [HPE Storage Single Point of Connectivity Knowledge - SPOCK](#)

Technical specifications	HPE Storage MSL 1/8 Tape Autoloader 1x MSL LTO-9 SAS Drive 5x LTO-9 45TB Data Cartridges
Product Number	P84148-B25
Drive type	LTO-9 Ultrium 45000
Capacity	45 TB compressed 2.5:1 maximum
Host interface	8 GB/s Fibre Channel (LTO-7, LTO-8, LTO-9) 6 GB/s SAS (LTO-7, LTO-8) 12 GB/s SAS (LTO-9)
Transfer rate	300 MB/s
Number of cartridge slots	8 cartridge slots
Encryption capability	AES 256-bit
Form factor	1U
Product dimensions	Autoloader: 4.4 x 48.2 x 80.9 cm (HxWxD) MSL2024: 8.7 x 48 x 80.6 cm (HxWxD)
Weight	The weight of each library varies somewhat based on the type and number of LTO tape drives and LTO media contained in the configuration.
Warranty	The warranty for this product consists of a 1-year, next business day on-site, part exchange, limited warranty for the 1/8 Autoloader and its components including drives, plus 9x5 phone support for the duration of the warranty.

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.

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

For additional technical information,
available models and options, please
reference the QuickSpecs

Visit [HPE.com](https://www.hpe.com)

Chat now

© Copyright 2025 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise 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. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

PSN1014906115CZEN, September, 2025.

HEWLETT PACKARD ENTERPRISE

[hpe.com](https://www.hpe.com)

