

# Spectra T950 Tape Library



---

## What's new

- Support for full-height TS1170 technology Fibre Channel and SAS drives.

## Overview

Does your data storage capacity outstrip your backup, disaster-recovery, and archive capability? Spectra T950 Tape Library combines field-proven reliability with storage innovation and gives you access to a full suite of enterprise storage capabilities. It delivers powerful library management, superior and proactive data integrity administration, and the outstanding total cost of ownership (TCO) for any tape solution. Once data expands beyond the limits of your initial Spectra T950 Tape Library configurations, you simply add expansion frames to keep growing. Storage can expand up to 120 drives and 10,020 Linear Tape-Open (LTO) slots (7,614 enterprise slots) in eight frames. With versatile built-in BlueScale software interface, you have intelligent command, control, and data integrity functionality at the touch of a screen. Spectra T950 Tape Library, with its compact footprint, is installed in many organizations worldwide to meet their backup, archive, and deep storage requirements.

## Features

### High Performance

Spectra T950 Tape Library, from robotics, to drives, to software, to media offers performance innovations in automated tape technologies.

At maximum drive configuration, transfer data up to 172.8 TB per hour using LTO-9 technology or IBM TS1170 technology.

### **High Capacity**

When data center real-estate counts, the Spectra T950 Tape Library offers you unsurpassed storage density and a small footprint through a unique and highly efficient library design built to fit into a standard rack-row layout. Also, it provides more storage capacity in less floor space.

Using innovative shelves instead of slots and TeraPack containers in place of individual cartridges, the Spectra T950 Tape Library uses less floor space.

Only buy what you need today and add storage capacity as you need it. Upgrade capacity in intervals of 10 LTO or 9 enterprise tape slots at a time. Tape consolidation through capacity, performance, partitioning, and reporting results in a lower TCO.

With LTO-9 technology, you can store over 180 PB (450.9 PB compressed) of data at the maximum slot configuration and capacity can range from 50 to 10,020 slots and 1 to 120 drives.

With TS1170 technology, you can store over 380.7 PB (1.1 EB compressed) of data at the maximum slot configuration and capacity can range from 45 to 7614 slots and 1 to 120 drives.

### **Built-in Flexibility**

Spectra T950 Tape Libraries, can operate either LTO-9, LTO-8, LTO-7, or LTO-6 tape drives or TS1170, TS1160 or TS1150 tape technologies. Paired with extensive software and hardware partners, organizations can develop customized workflows for every situation.

Thin provisioning improves the available storage in the partitions of a tape library. Administrators can change the size of a partition in the library without reconfiguring the entire library. It provides virtual storage capacity for simplified administration, reducing downtime and costs.

Empty TeraPacks provide a means to import tape media, already written with data, into a new library for continued use or migration. TeraPacks can also provide additional storage outside of the library.

### **High Reliability**

Spectra T950 Tape Library offers an advanced suite of standard features that allow you to actively check data already written to tape. Data Integrity Verification examines media health before and after data writes, when enabled. Integrated BlueScale Encryption provides automatic data protection.

PreScan checks each imported tape and verifies that the tape can be safely written to. QuickScan scans a tape uni-directionally to provide a rapid indicator of integrity of data written. FullScan confirms that there are no media errors on the tape by reading the entire tape.

The library provides a high level of encryption security, with compression, for strong backup data privacy to deliver confidential information and address compliance quickly. Supports WORM media (using LTO-9, LTO-8, LTO-7, or LTO-6) providing a fail-safe method for permanently storing data records.

By using the new HPE Spectra SWARM Ethernet to SAS bridge in a Spectra T950 Tape Library, there is now an option for connecting LTO drives over an Ethernet interface from a host.



## Technical specifications

## Spectra T950 Tape Library

<b>Drive type</b>	LTO-9, LTO-8, LTO-7, LTO-6, TS1150, TS1160, TS1170
<b>Capacity</b>	450.9 PB compressed 2.5:1, maximum using LTO-9 1.1 EB compressed 3:1, maximum using TS1170
<b>Host interface</b>	LTO-9 8 Gb Fibre Channel or 12 Gb SAS and TS1170 16 Gb Fibre Channel or 12 Gb SAS
<b>Transfer rate</b>	400 MB/s, maximum using LTO-9 or TS 1170
<b>Number of cartridge slots</b>	10,020 for LTO 7,614 for TS Technology
<b>Encryption capability</b>	Hardware-based encryption through Enterprise Secure Key Manager (ESKM), BlueScale Professional Encryption, and Spectra Security Key Lifecycle Manager (SKLM)
<b>Form factor</b>	Free standing frame (maximum 8)
<b>Product dimensions (metric)</b>	Width: 74 cm Height 42U
<b>Weight</b>	372 kg – main frame
<b>Warranty</b>	1-year parts, 1-year labor, 1-year onsite support coverage.

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

### 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.

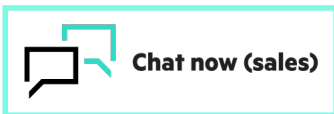
If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

Explore **HPE GreenLake**



**Make the right purchase decision.  
Contact our presales specialists.**

[Find a partner](#)



 **Share now**

 **Get updates**



---

© Copyright 2024 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  
[PSN1009502810HREN](#), September, 2024.