HPE T950 TAPE LIBRARY

Tape Libraries

WHAT'S NEW

- Support for full-height LTO-9 drives.
- Support for Spectra SWARM for HPE.

OVERVIEW

Does your data storage capacity outstrip your backup, disaster-recovery, and archive capability?

The HPE 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 HPE 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. HPE 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

HPE 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 and 172.8 TB per hour using IBM TS1160 technology.

High Capacity

When data center real-estate counts, the HPE 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 HPE 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 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 TS1160 technology, you can store over 152.2 PB (380.7 PB 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

HPE T950 Tape Libraries, can operate either LTO-9, LTO-8, LTO-7, or LTO-6 tape drives or TS1160, TS1155, 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

HPE 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.

www.pmddatasolutions.com

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 an HPE T950 Tape Library, there is now an option for connecting LTO drives over an Ethernet interface from a host.

Technical specifications — HPE T950 Tape Library

Drive type	LTO-9, LTO-8, LTO-7, LTO-6, TS1150, TS1155, TS1160
Capacity	450 PB compressed 2.5:1, maximum using LTO-9
Host interface	LTO-9 8 Gb Fibre Channel or 12 Gb SAS and TS1160 16 Gb Fibre Channel or 12 Gb SAS
Transfer rate	400 MB/s, maximum using LTO-9 or TS 1160
Number of cartridge slots	10,020 for LTO 7,614 for TS Technology
Encryption capability	Hardware-based encryption through Enterprise Secure Key Manager (ESKM), BlueScale Professional Encryption (LTO only), and Spectra Security Key Lifecycle Manager (SKLM)
Form factor	Free standing frame (maximum 8)
Product Dimensions (metric)	Width: 74 cm Height 42U
Weight	372 kg – main frame
Warranty	1-year parts, 1-year labor, 1-year onsite support coverage.