



Spectra Stack Tape Library

Uncompromising flexibility meets affordability

The [Spectra® Stack tape library](#) is designed for growing enterprises and growing data. From a single control module to as many as six (6) expansion modules, Spectra Stack solutions deliver the right capacity and performance at every stage of growth. Its remarkable 100% duty cycle makes it an ideal choice for handling unanticipated or dynamic workloads with ease.



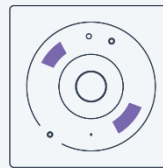
Spectra Stack Control Module

Easy to Use



- Installs in less than 1 hour from out-of-the-box, racked, and into production
- Replace common components in less than 15 minutes without downtime

Extensive Media Support



- Starts small and expands up to 22.4 petabytes native capacity
- Supports all LTO media from LTO-3 through LTO-10

Intuitive User Interface



- Manage through a color touch screen or remote web interface
- Streamline and script tasks with REST API
- Proactive media management tools for greater data protection

Reliable Data Protection



- Operates 24 /7 based on 100% duty cycle design
- Saves time and delivers peak performance with ready-to-use Spectra Certified Media

Modular and Scalable Design

Spectra Stack libraries are rack-mountable. They start with a single control module and seamlessly scale to six (6) expansion modules.

- Expands up to 80 slots and 3 full-height drives per expansion module
- Streamlines data management by running up to 20 library partitions concurrently
- Supports 21 full-height tape drives.¹

For Additional Information

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¹. Based on the maximum configuration of a control module and six (6) expansion modules.

Spectra Stack Library Overview

Capacity on Demand

Organizations can start with a minimal configuration and expand storage capacity as needed. This helps optimize initial investments and reduce upfront costs. Adding tape slots via software activation avoids expensive hardware changes or downtime, offering a seamless, dynamic solution to support rapidly growing volumes of data.

Preserve Your Storage Investment

The Spectra Stack library delivers lifetime investment protection, making capacity and performance upgrades quick, seamless, and economical. Migration of existing LTO tape drives and media from Spectra or other libraries is supported, ensuring maximum preservation of previous capital investments.

Data Integrity Assurance

When using [Spectra Certified Media](#), exclusive Media LifeCycle Management features are enabled to reduce the risk of media failure or loss. All Spectra Certified Media is delivered ready for peak performance, continuously monitored for quality, and comes with a Lifetime Media Guarantee.



Spectra Stack library fully configured: one (1) control and six (6) expansion modules

Spectra Stack Specifications

	Max. Media / Slots	Max. Native Capacity	Max. Compress Capacity ²	Max. Drives ³	Max. Native Throughput (TB/hr.) ⁴	Max. SLS Partitions	Tape Drives Supported	Dimensions (inches) H x W x D
Control Module	80	3.2 PB	8.0 PB	3 FH	4.3	20	LTO-10 LTO-9 LTO-8 LTO-7 LTO-6 LTO-5	10.55 x 18.7 x 35.12
Expand Module	80	3.2 PB	8.0 PB	3 FH	4.3	NA		10.55 x 18.7 x 35.12
Max. Config. ¹	560	22.4 PB	56.0 PB	21 FH	30.2	20		73.85 x 18.7 x 35.12 (42U Rack)

¹ Maximum configuration is one (1) Control module and six (6) Expansion modules.
² Compression ratio for LTO is 2.5:1.

³ Full-height drives support Fibre Channel (also SAS for LTO-9 & 10).
⁴ Based on LTO-10 drives.

Library Connectivity Options

Spectra offers a set of modern, cost-effective solutions for tape library connectivity. Featuring the [Spectra OSW-2400 Optical SAS Switch](#) and the [ATTO XstreamCORE ET 8200T Ethernet to SAS bridge](#), these products help organizations streamline operations, reduce expenses, and enhance flexibility while maintaining high performance and reliability for evolving IT infrastructure needs.

Spectra OSW-2400 Optical SAS Switch increases deployment flexibility and simplifies connectivity between servers and tape storage systems. Utilizing active optical cables, the OSW-2400 switch enables connection distances up to 100 meters, enabling SAS fabrics to cover data center floor spaces up to 10,000 m² (107,639 sq ft), connect between building floors or extend to nearby buildings.



Spectra OSW-2400 Optical SAS Switch

Summary

Dell and Spectra Logic partner to deliver the Spectra Stack Tape Library, a modular and scalable tape automation solution for secure and affordable data protection. Designed for integration with Dell environments, Stack provides enterprise-class performance, ransomware resilience, and long-term data preservation at the lowest cost per terabyte.

Ideal For

Organizations with growing data protection needs seeking scalable, low-cost, and integrated tape solutions. Ideal for backup, archiving, and compliance workloads requiring air-gapped, ransomware-resilient protection.

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient.