

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.

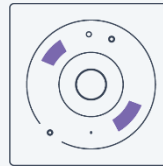


Easy to Use



- 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
- Intermix full and half height tape drives

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 x 7 X 365 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 and start with a single control module and seamlessly scales to six (6) expansion modules.

- Expands up to 80 slots and 6 drives per expansion module
- Streamlines data management by running up to 20 library partitions concurrently
- Supports 42 half-height or 21 full-height tape drives.¹



Spectra Stack Control Module

1. Based on 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	6 HH 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	6 HH 3 FH	4.3	NA		10.55 x 18.7 x 35.12
Max. Config. ¹	560	22.4 PB	56.0 PB	42 HH 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 Half-height tape drives support Fibre Channel and SAS, full-height drives support FC (also SAS for LTO-9 and LTO-10).

⁴ Based on full-height LTO-10 drives.

Allowable and Recommended Environment

	Dry-bulb Temperature	Maximum Temperature Rate of Change	Relative Humidity (non-condensing)	Maximum Humidity Rate of Change	Altitude (max)
Allowable	16°C to 32°C (60°F to 90°F)	5°C per hour 9°F per hour	20% to 80%, 22°C dew point max	5% per hour with no condensation	3,048 m (10,000 ft)
Recommend	16°C to 25°C (60°F to 77°F)	5°C per hour 9°F per hour	20% to 50%, 22°C dew point max	5% per hour with no condensation	3,048 m (10,000 ft)

Summary

The Spectra Stack Tape Library delivers scalable, modular, and cost-effective data protection for modern data centers. Built for flexibility, Stack grows seamlessly from a single control module to six expansion modules, supporting up to 22.4 PB of native capacity with the reliability of Spectra Certified Media.

Ideal For

Organizations seeking a modular, affordable, and reliable solution for long-term backup, archive, and data retention. Perfect for enterprise IT teams managing growing datasets that require scalability, performance, and reduced TCO.

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.