

# TFinity Plus Library



## Unrivalled capacity, density & performance

The Spectra [TFinity](#)® Plus tape library delivers industry-leading scalability and storage density packaged in the smallest footprint of any enterprise library. Advanced LumOS library management software ensures seamless operations, robust security and redundancy. The TFinity Plus high-capacity, high-performance library addresses massive data growth with unparalleled efficiency and reliability to satisfy the most demanding environments.



### Tape Drive Versatility



Intermix LTO, IBM® TS11XX, and Oracle® T10000 tape drives and media within a single library to enable flexible migration options between tape drive types and generations for greater investment protection.

### Unmatched Scalability



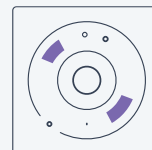
Scale capacity up to 6.4 exabytes<sup>1</sup> (EB) compressed with TS1170 drives and up to 2.5 EB<sup>1</sup> compressed with LTO-9 drives. The TFinity Plus library adapts to diverse storage demands, ensuring efficient data management.

### Operational Excellence



Elevate operations with [LumOS library management software](#), featuring robust capabilities in security, monitoring, redundancy, reporting, library partitioning and on-demand capacity.

### Data Resiliency



Ensure data integrity with [Spectra Certified Media](#), Media Lifecycle Management to minimize errors, Library Lifecycle Management to prevent failures, and Data Integrity Verification to ensure reliability.

## Efficient Operations with Dual Robotics



**Simultaneous Operations:** Performs tasks concurrently, such as loading and unloading tapes, accessing multiple media slots, and managing multiple tape drives.

**Increased Throughput:** Contributes to higher data transfer rates and reduces access times, optimizing the overall tape library throughput by distributing tasks across both robotic arms.

**Automated Failover:** Enhances system resiliency and minimizes downtime by redirecting tasks to the remaining functional robotic arm in case of failure.

**Load Balancing:** Distributes tasks evenly between the robotic arms, preventing bottlenecks and maximizing utilization.

# TFinity Plus Library Specifications

## Library Specifications

Library	TFinity Plus (3-frame configuration)				TFinity Plus (45-frame configuration)			
	LTO-9		TS1170		LTO-9		TS1170	
Max Media/Slot Count	1,800	3-frames	1,350	3-frames	56,400	45-frames	42,930	45-frames
Max Native Capacity	32.4PB		67.5PB		1.0EB		2.2EB	
Max Compressed Capacity <sup>1</sup>	81PB		202.5PB		2.5EB		6.4EB	
Max Drives <sup>2</sup>	24		24		168		168	
Max Native Throughput (TB/hr.)	34.6		34.6		241.9		241.9	
Max Compressed Throughput (TB/hr.)	77.8		77.8		544.3		544.3	
Max SLS Partitions	16		16		16		16	
Tape Drive Supported	LTO, IBM® TS11XX Oracle® T10000				LTO, IBM® TS11XX Oracle® T10000			
Dual Robotics	Yes				Yes			

## Tape Drive Environmental Specifications

All LTO, TS1150, TS1155, TS1160, and TS1170 Drives					
Mode	Dry-bulb Temperature	Maximum Temperature Rate of Change	Relative Humidity (non-condensing)	Maximum Humidity Rate of Change	Altitude (max)
Allowable Environment	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)
Recommended Environment	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)

1. LTO compression ratio is 2.5:1. TS1170 compression ratio is 3:1.
2. Drive types are full height.

## 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.