TFinity Plus Library
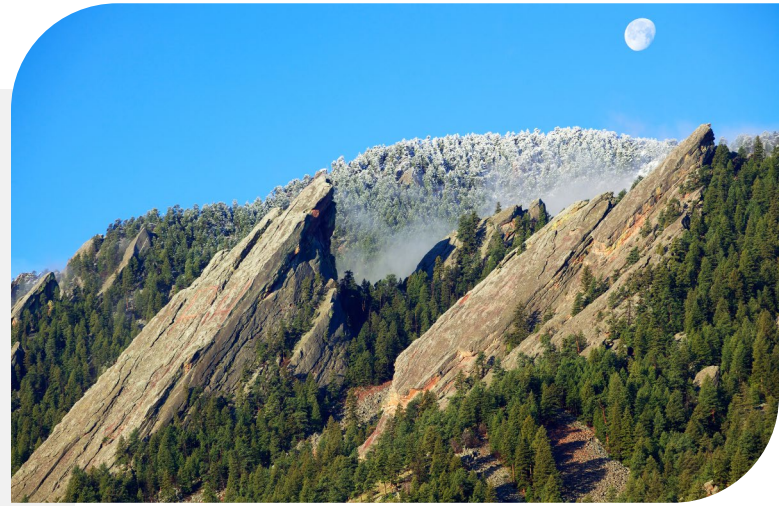
Unrivaled capacity, density & performance

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.
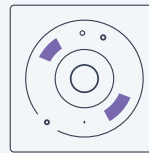
Unmatched Scalability

Scale capacity up to 6.4 exabytes[1] (EB) compressed with TS1170 drives and up to 2.5 EB[1] 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[1]	81PB	202.5PB	2.5EB	6.4EB
Max Drives[2]	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 and TS1160 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)

TS1170 Drives					
Mode	Dry-bulb Temperature	Maximum Temperature Rate of Change	Relative Humidity (non-condensing)	Maximum Humidity Rate of Change	Altitude (max)
Recommended and Allowable 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.

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