



The Next Generation in Tape Libraries

Storageflex's TLS-8000 Series offers superior performance and value for LTO Ultrium tape users. Capacities from 1.1TB to over 422 TB, the TLS-8000 Series economically and reliably automates tape-based applications, backing up a single server or as an integral part of an enterprise-wide storage management solution.

Storageflex™ TLS-8000

Additional Features:

- Individual Fans for Each Tape Drive
- Positive Filtered Air Pressure
- All Lead screw Driven
- Self-calibrating, Digital Servo Control System
- Lockable Front Door for Media Security
- Inventory Sentry Minimizes Offline Time

Menu Control System:

- 80-Character, Back-lit Display
- Easy Setup, Configuration and Operation and Diagnostics
- Built-in Emulations
- Host-controlled Security Lockout
- Downloadable Firmware Update

Options:

- Q-Link Remote Library Manager
- Fibre Channel Interface Option
- Rack Mount Assembly's
- Barcode Reader (models 8211, 8222)
- Field Expansion Kits
- On-site Service
- Extended Warranty



Black Chassis Optional

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The TLS-8000 family comprises six models, providing a broad range of cost-effective solutions. Housing one to eight LTO Ultrium technology tape drives and up to 264 tapes. TLS-8000 multi-drive library models readily support concurrent reading and writing at data transfer rates exceeding 800 Gigabytes per hour to meet the throughput needs of today's rapidly-growing networks.

The SANsmart Fibre Channel Option supports LAN-free and server less backup using the latest 2Gb SAN technologies. Direct Fiber Attach (DFA) LTO 4 drives are now available to maximize SAN throughput by connecting each drive to its own port.

All TLS-Series libraries are available with Q-Link, Storageflex's web browser accessed remote library manager that enables administrators to configure, upgrade, and monitor any TLS-Series tape library via a company intranet or over the internet from anywhere in the world. Q-Link extends the library's comprehensive front panel menu system and adds additional functionality such as automatic e-mail notification based on rules set by the administrator, and firmware updates can be implemented remotely.

Developed for the TLS-Series libraries, VIOP is now incorporated in every TLS model. An exclusive Qualstar design feature, VIOP, Variable I/O Port, allows users to match the number of I/O slots to their operational requirements. Applications are not constrained by limits imposed by libraries with a fixed number of I/O slots. Users can assign the number of slots to best match their requirements. VIOP compliments the hardware I/O Ports which continue to be included or available in all models.



Storageflex™ TLS-8000 Specifications

Logical Library is built into every TLS-Series SCSI library. It allows up to four servers to share a single library via a SCSI interface, even if each server is running a separate application. Systems that you couldn't afford to upgrade can now be protected automatically. Support for multiple SCSI busses is also built-in to maximize throughput in direct-attach architectures.

Feature

Up to eight LTO Ultrium tape drives
 Direct Fiber Attach (DFA) LTO 4 tape drives
 Q-link™
 Wide capacity range
 Automatic alignment
 Logical Library Partitioning (SCSI only)
 No electrical or mechanical adjustments
 Barcode scanner
 I/O Port
 VIOP
 Positive-pressure, filtered air system

Benefit

High throughput; supports concurrent read and write
 Individual fibre channel connections to the SAN
 Web browser based remote library manager
 Common format throughout the enterprise
 No special tools or procedures
 Supports up to four separate partitions.
 Easy, fast installation
 Fast media inventory
 Application controls tape inventory.
 Bulk Tape import/export
 Reduces contamination, protects media

6 models to Choose From		8211	8222	8433	8466	88132	88264
Number of Drives		1-2		1-4		1-8	
Number of Tapes		11	22	33	66	132	264
Native Capacity (TB)	LTO-4	8.8	17.6	26.4	52.8	105.6	212.2
	LTO-3	4.4	8.8	13.2	26.4	52.8	105.6
Compressed Capacity (TB)*	LTO-4	17.6	35.2	52.8	105.6	212.2	422.4
	LTO-3	8.8	17.6	26.4	52.8	105.6	212.2
Max. Native Data Rate	LTO-4	800 GB/hr		1.7 TB/hr		3.4 TB/hr	
	LTO-3	576 GB/hr		1.1 TB/hr		2.3 TB/hr	
Max. Comp. Data Rate (GB/hr.)*	LTO-4	1.7TB/hr		3.4TB/hr		6.9TB/hr	
	LTO-3	1.1TB/hr		2.3TB/hr		4.6TB/hr	
Avg. Exchange Time (sec.)		14	15	16		18	
Time to Scan Barcodes (sec.)		12	26	41	91	92	108
Barcode Reader		Optional			Standard		
I/O Port		Optional			Standard		
Field Expansion Kit		Yes		Yes	Yes		
Height (in./cm)		36/91		45/114		62/157	
Width (in./cm)		13/33		19/48		37/94	
Depth (in./cm)		25/63		30/77		30/76	
Net Weight (lb./kg)		82/37		105/48		359/163	
Power Consumption		150		250		470	
Warranty:		3 Years Advance Replacement Warranty, Standard.					
Safety Compliance:		UL, CSA, CE, FCC Class A, CB					

* Using 2:1 compression ratio