

STORAGETEK SL500 MODULAR LIBRARY SYSTEM

RELIABLE, SCALABLE, SIMPLE
RACK-MOUNTED TAPE AUTOMATION

KEY FEATURES

- Improve reliability with superior robotics and easy serviceability.
- Scale without decreasing reliability or performance to meet changing requirements in high-availability environments.
- Simplify and accelerate consolidation by creating as many as eight native partitions.
- Create a tiered storage solution easily by using the StorageTek SL500 with Sun Storage Archive Manager and Sun Storage 6000 arrays.

The most scalable rack-mounted solution on the market, Oracle's StorageTek SL500 modular library system raises the bar on reliability and simplicity. When you need to accommodate growth in a fast-growing business or corporate department, the StorageTek SL500 modular library system helps you accelerate consolidation and support applications such as e-mail, databases, and file servers.



The StorageTek SL500 modular library system improves reliability, scales easily to your needs, and simplifies consolidation.

Highly Scalable Library System

The StorageTek SL500 modular library system scales from 30 to 575 LTO slots with a maximum capacity of more than 862 terabytes of uncompressed data—more than 40 percent more capacity than that of other libraries in this class. The library also enables you to use as many as 18 tape drives with a native throughput rate of more than 7 terabytes per hour.

In addition, the StorageTek SL500 is ideal for consolidation, which help you save time, space, and energy by consolidating multiple libraries and applications into a central location. The SL500 is also ideal for rack-based D2D2T solutions, when combined with Sun Storage Archive Manager and Sun Storage 6000 arrays.

Reliability

To help you maintain uninterrupted access to your data, the StorageTek SL500 modular library system leverages components, including robotics and firmware, from the enterprise-class StorageTek SL8500 modular library system and offers an optional dual fibre channel library interface for high availability. The robotic mechanism maintains reliability, regardless of the number of expansion modules, and helps increase the stability and predictability of backups. Redundant, hot-swappable components, such as power supplies and fans, minimize disruption and the advanced digital vision system automatically calibrates the library to reduce

wear and tear on the cartridge, drive, and robot.

StorageTek Library Console (SLC), the libraries user interface, offers advanced reporting on library, drive and media statistics, as well as industry leading library partitioning.

Simple-to-Increase Capacity

The StorageTek SL500 modular library system expands to higher slot and drive counts, using the same robotics and library automation architecture. Capacity on demand allows for scalability in small increments as a “pay as you grow” approach to meet capacity needs and fit budgetary requirements

Simple library upgrades extend the useful life of the equipment and preserve your investment. Standard interfaces and the library control software enable resource sharing, by connecting to other devices across Solaris, Windows, UNIX, or Linux environments. All major parts, including the robotics, are field-replaceable in less than 30 minutes, minimizing downtime. Any Cartridge Any Slot technology helps you meet changing storage requirements and encryption-capable LTO 5 drives work in tandem with the StorageTek Crypto Key Management system to protect sensitive data and meet compliance requirements.

StorageTek SL500 Modular Library System Specifications

Performance	
Throughput per Hour, Maximum Native (Uncompressed)*	
<ul style="list-style-type: none"> • LTO 5 (18 drives, 140 MB/sec) – more than 9 TB/hr. • LTO 4 (18 drives, 120 MB/sec – 80 MB/sec) – more than 7.7 TB/hr. 	
Capacity	
Capacity, Maximum Native (Uncompressed)	
<ul style="list-style-type: none"> • LTO 5 (1.5 TB/cartridge) – 862 TB (575 cartridges) • LTO 4 (800 GB/cartridge) – 460 TB (575 cartridges) 	
Number of Cartridge Slots	
<ul style="list-style-type: none"> • LTO: 30 – 575 slots • <i>Base module</i>: LTO: 30 slots (20 slot upgrade for 50 slot total) 	
Cartridge Expansion Module	
<ul style="list-style-type: none"> • LTO: 120 slots 	
Number of Tape Drives/Types	Cartridge Access Port (CAP)*
<ul style="list-style-type: none"> • LTO: 1–18 	<ul style="list-style-type: none"> • Base module: 5-cartridge capacity
Availability	
Mean exchanges/swaps between failure (MEBF/MSBF)	2 million
Mean time to repair (MTTR)	<30 min.
Nondisruptive serviceability	Hot-swappable drives; Ethernet and serial ports for diagnostics and reporting; redundant hot-swappable power supplies with redundant fans
Compatibility	
Supported host platforms	Solaris, UNIX, Windows, Linux
Drive interfaces for bridged base	8 Gb SAS, 4 GB FC
Robotics control interfaces	Small Computer System Interface (SCSI)-3 Media Changer command set on LTO 4; low-voltage differential (LVD) or 2 Gb Fibre Channel

Any Cartridge Any Slot technology	Simultaneous non-partitioned support of multiple tape and media types
Management	
Digital vision system	Unique digital vision camera system that performs continuous calibration and reads bar codes
Operator panel	Optional user-friendly configuration and diagnostic controls, status display, and viewing window
Automatic clean	Configurable cleaning cartridge slot for tape drive cleaning by library or software command
Automatic self-discovery	Self-configuring for cells, drives, and cartridge access ports
Continuous automation calibration	No periodic maintenance or alignment required
Mechanical	
Base Module (Minimum Configuration)	
Height: 14.0 in. (35.6 cm) Depth: 33.14 in. (81.1 cm) Width: 18.9 in. (48.0 cm) Unit height: 8U** Weight: 44.2 lb. (20.1 kg)	
Drive Expansion Module	Cartridge Expansion Module
Height: 14.0 in. (35.6 cm) Depth: 33.14 in. (81.1 cm) Width: 18.9 in. (48.0 cm) Unit height: 8U** Weight: 59.0 lb. (26.9 kg)	Height: 14.0 in. (35.6 cm) Depth: 31.62 in. (80.3 cm) Width: 18.9 in. (48.0 cm) Unit height: 8U** Weight: 44.2 lb. (20.1 kg)
Environmental	
Temperature	
Operating	+50°F to +104°F (+10°C to +40°C), 20% – 80% relative humidity, non-condensing
Non-operating	–40°F to +140°F (–40°C to +60°C) 10% – 95% relative humidity, non-condensing
Power	
Voltage	100 VAC – 127 VAC, 200 VAC – 240 VAC at 50 Hz –60 Hz single phase (autoranging)
Library (operating max. continuous—not peak)	1.42 A at 120 V or 0.75 A at 240 V, 614 BTU/hr.
Drives	Drive-power consumption varies; refer to individual drive specifications.
Regulatory Compliance	
Electromagnetic compatibility	FCC (47 CFR 15, Subpart B) Class A; CE (EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3); VCCI (CISPR 22) Class A; Canada (ICES-003) Class A
Safety	UL 1950 CAN/CSA 22.2 No. 950; EN60950

Warranty

The StorageTek SL500 Modular Library System comes with a one-year warranty. Visit <http://www.oracle.com/us/support/policies/index.html> for more information about Oracle's hardware warranty.

Services

With Oracle Premier Support, our customers get complete, integrated support to maximize the return on their Oracle investment—from software updates and operational best practices to proactive support tools and rapid problem resolution. For more information visit <http://www.oracle.com/support>.

Contact Us

For more information about Oracle's StorageTek SL500 modular library system, please visit oracle.com/storage or call +1.800.786.0404 to speak to an Oracle representative.



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