

# STORAGETEK SL150 MODULAR TAPE LIBRARY



## SIMPLE AND SCALABLE DATA STORAGE

### KEY FEATURES

- Remote management capability and an installation wizard ensure swift installation and ease of use
- Scalability from 30 to 300 cartridge slots enables capacity to reach nearly 1.9 PB (2.5:1 compression) with the use of StorageTek LTO 6 half-height tape drives
- Expansion modules offer seamless performance and capacity upgradeability, by easily upgrading tape drives and adding cartridges.

### KEY BENEFITS

- Reduce complexity – the tape library is customer installable and upgradable
- Reduce costs with low-cost scalability, reliability, and entry-level pricing
- Enable consolidation of small tape libraries into one scalable tape library

Oracle's StorageTek SL150 modular tape library is the first scalable tape library designed for growing businesses. Built from Oracle software and StorageTek library technology, it delivers an industry-leading combination of ease of use and scalability. Ideal for backup and archival applications, the StorageTek SL150 modular tape library saves both time and money, setting the new standard for entry tape automation.

## Make Simplicity a Priority

The StorageTek SL150 emphasizes simplicity and reduces costs through exceptional scalability, common storage management tools and do-it-yourself installation and upgrades. The easy-to-use remote browser GUI, built from Oracle software, helps streamline library management and allows you to perform library operations, manage library settings, and proactively monitor the library's health.

With the StorageTek SL150, simplicity begins with the library installation and continues throughout the life of the product, even as you expand for data growth. The library can be initialized in a few steps via the local touchscreen operator panel, and upgrades are easy, since they require no tools, complicated cabling, or technical support.



Figure 1. StorageTek SL150 Modular Tape Library Touchscreen Operator Panel

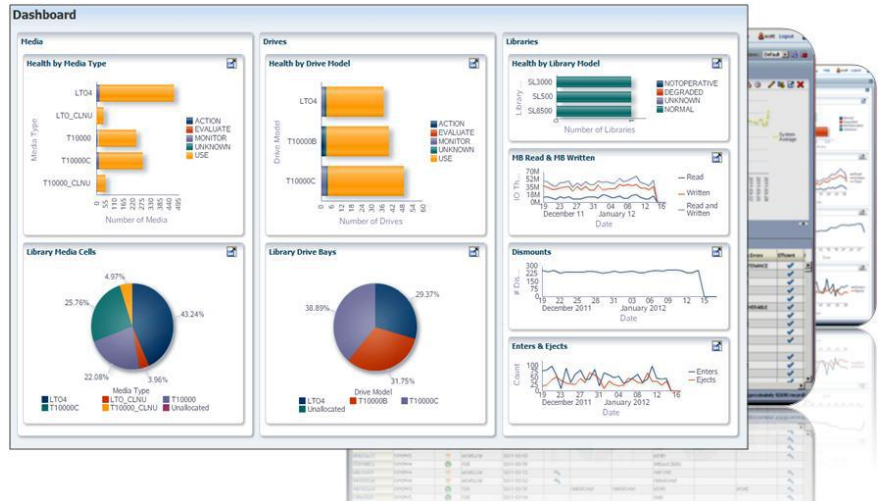


Figure 2. Oracle's StorageTek Tape Analytics software simplifies tape storage management because it takes a proactive approach to eliminate library, drive, and media errors.

For intelligent monitoring of StorageTek tape libraries, StorageTek Tape Analytics software provides tape storage customers with access to leading-edge tape monitoring software that goes far beyond exposing a red, yellow, or green indicator. Rather, StorageTek Tape Analytics software provides insights into hundreds of drive, media, and library health attributes that empower tape storage administrators to make proactive decisions about their tape environments prior to device failures. A proactive approach to managing the health of a tape environment improves the performance and reliability of existing tape investments and helps executives make informed decisions about future expenditures.

## Scale Seamlessly Up to 10x More Than Comparable Tape Libraries

The StorageTek SL150 modular tape library scales up to **10x**, from 30 to 300 slots, without consuming significant time and resources. In addition, it is the only library in the world that auto-discovers new modules via USB. In the entry to midrange market segment, the StorageTek SL150 modular tape library offers higher density and lower-cost scaling than comparable products. Higher density saves rack space and enables you to store more data in the library. The StorageTek SL150 modular tape library's base module provides up to 75 TB (with StorageTek LTO 6 half-height tape drives) and each expansion module adds an additional 75 TB of capacity as your storage needs grow. With two additional tape drives per expansion module, the StorageTek SL150 also allows for increased performance as storage needs grow.

## Count Your Savings

The market-leading scalability of the StorageTek SL150 modular tape library offers an important cost-saving advantage. Competitive systems require you to transition among three separate and distinct products in order to grow from an entry to a midrange library. Oracle offers the first library that can address the full breadth of scale from 30 to 300 slots with a single product.

As a result, the StorageTek SL150 negates the need to rip and replace smaller, individual products as your storage needs grow. In addition, single-product scalability saves media, drives, servicing, power, cooling, and other management costs. Scalability also allows you to do more with less by consolidating multiple libraries into a single product that is far less expensive than replacing libraries over time.

Oracle's tape encryption helps you minimize your exposure to potentially costly litigation while you support regulatory and compliance policies. When you use StorageTek LTO half-height tape drives from HP with the StorageTek SL150, you can utilize Oracle Key Manager to achieve simple, scalable, enterprise-class data encryption. Oracle Key Manager centrally authorizes, secures, and manages all of your encryption keys, reducing exposure of sensitive data and ensuring reliability and security.

For more than 40 years, customers have trusted StorageTek reliability and quality. Oracle's StorageTek SL150 modular tape library leverages technology and design from the award-winning StorageTek SL500 modular tape library, and it provides StorageTek reliability at an entry-level price point. Furthermore, by working with an end-to-end solution provider like Oracle, you can reduce management and service costs.

### Maximize Performance and Availability with Oracle Support

The StorageTek SL150 has a CRU serviceability model – meaning it is customer installable, and has customer replaceable spares. However, if you do need installation or service assistance, the following offerings are available from Oracle.

- Oracle Premier Support provides the complete system support you need to proactively manage your Oracle storage systems. With swift resolution and rapid-response hardware service when problems do arise, you can keep your business information available 24/7.
- With Oracle Advanced Customer Services, you receive mission-critical support from a focused support team, proactive guidance to tailor storage systems for optimal performance and increased competitiveness, and preventative monitoring to help you achieve high availability and optimized system performance.

For more information about Oracle Support and Oracle Advanced Customer Support Services, please speak with your Oracle representative or Oracle authorized partner, or visit <http://www.oracle.com/support> or <http://www.oracle.com/acs>.

## StorageTek SL150 Modular Tape Library Specifications

<b>Performance</b>		
<b>Throughput Per Hour, Maximum Native (Uncompressed)</b>	<ul style="list-style-type: none"> <li>LTO 5 (20 drives, 140 MB/sec) – 10 TB/hr</li> <li>LTO 6 (20 drives, 160 MB/sec) – 11.5 TB/hr</li> </ul>	
<b>Capacity</b>		
<b>Capacity, Maximum Native (Uncompressed)</b>	<ul style="list-style-type: none"> <li>LTO 5 (1.5 TB/cartridge) – 450 TB (300 cartridges)</li> <li>LTO 6 (2.5 TB/cartridge) – 750 TB (300 cartridges)</li> </ul>	
<b>Number of Cartridge Slots</b>	<ul style="list-style-type: none"> <li>30–300 cartridge slots</li> <li>Base module: 30 slots</li> <li>Up to 9 expansion modules: 30 slots each module</li> </ul>	
<b>Number of Tape Drives/Types</b>	<ul style="list-style-type: none"> <li>Half Height LTO 5 FC or SAS: 1–20</li> <li>Half Height LTO 6 FC or SAS: 1–20</li> </ul>	
<b>Mail Slot</b>	Base module: 4-cartridge capacity	
<b>Availability</b>		
<b>Non-disruptive serviceability</b>	Hot-swappable drives; redundant hot-swappable power supplies with redundant fans	
<b>Mean Swaps Between Failures (MSBF)</b>	2 million robot load/unload cycles	
<b>Compatibility</b>		
<b>Supported host platforms</b>	Oracle Solaris, UNIX, Windows, Oracle Linux (IPv4, IPv6)	
<b>Management</b>		
<b>Operator Panel</b>	User-friendly configuration and diagnostic controls, status display, and viewing window	
<b>Library Management</b>	Remote browser (10/100 Ethernet) or support for StorageTek ACSLS management software	
<b>Drive Cleaning</b>	Configurable cleaning cartridge slot for tape drive cleaning by library or software command	
<b>Automatic self-discovery via USB</b>	Self-configuring for cells, drives, and cartridge access ports Hot-swappable drives; redundant hot-swappable power supplies with redundant fans	
<b>Mechanical</b>		
	<b>Base Module (Minimum Configuration)</b>	<b>Expansion Module (each module, modules 2-9)</b>
<b>Height</b>	5.15 in (130.8 mm), 3U rack space	3.5 in (88.9 mm), 2U rack space
<b>Depth</b>	36.42 in (925 mm)	36.42 in (925 mm)
<b>Width</b>	18.94 in (481 mm)	18.94 in (481 mm)
<b>Weight</b>	47 lbs (21.5 kg)*	23.1 lbs (10.5 kg)**
<b>Environmental</b>		
<b>Temperature</b>	<ul style="list-style-type: none"> <li><b>Operating:</b> +50°F to +104°F (+10°C to +40°C), 20%–80% relative humidity, non-condensing</li> <li><b>Non-Operating:</b> –40°F to +140°F (–40°C to +60°C), 10%–95% relative humidity, non-condensing</li> </ul>	
<b>Power</b>		
<b>Voltage</b>	100 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	1.42 A at 120 V or 0.75 A at 240 V, 614 BTU/hr
<b>Regulatory Compliance</b>	
Electromagnetic compatibility	FCC (47CFR15 Subpart B) Class A; EN55022 Class A; EN55024; EN61000-3-2; EN61000-3-3; ICES-003 Class A; AS/NZS CISPR22 Class A; VCCI V-3 Class A; KN22 Class A; KN24; CNS13438 Class A
Safety	UL 60950-1, CAN/CSA 22.2 No. 60950-1-07, EN 60950-1, IEC 60950-1, 60825-1, Class 1 Laser Product

\*Weight includes library with one drive installed and one power supply

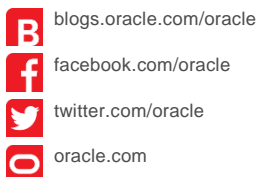
\*\*Weight is expansion only, no drives or power supplies



#### CONTACT US

For more information about Oracle's StorageTek SL150 modular tape library, visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.

#### CONNECT WITH US



#### Hardware and Software, Engineered to Work Together

Copyright © 2014, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 0814

