

StorageTek SL500 Modular Library System

Frequently Asked Questions

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Overview

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.

Basic Specifications

- **Capacity:** The SL500 scales from 30 to 575 LTO slots with a maximum capacity of more than 862 terabytes of uncompressed data (LTO5).
- **Data Transfer Rate:** The library enables you to use as many as 18 tape drives with a native throughput rate of more than 9 terabytes per hour.
- **Interface:** Fibre Channel, SAS and SCSI

Customer Benefits

Reliable, Scalable, Simple Rack-Mounted Tape Automation

- **Improve 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.
- **Scale without decreasing reliability or performance:** The Sun StorageTek SL500 modular library system scales from 30 to 575 LTO slots—more than 40 percent more capacity than that of other libraries in this class.
- **Simplify management and accelerate consolidation:** StorageTek Library Console (SLC) offers reporting on library functions, drive and media statistics and enables you to set native partitions which helps you save time, space, and energy by consolidating multiple libraries and applications into a central location.
- **Ensure data protection:** Limit your exposure to potentially costly litigation while you support regulatory and compliance policies. LTO4 drives from both HP and IBM and LTO 5 drives from HP allow the SL500 to utilize the StorageTek Crypto Key Management System to enable simple, scalable enterprise-class data encryption.
- **World class services organization:** Oracle's storage industry veterans can help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets.

Frequently Asked Questions

For additional resources on Oracle's StorageTek SL500 Modular Tape Library please search *SL500* at Oracle.com.

How does the SL500 Modular Tape Library scale?

The SL500 scales from 30-575 slots and from 1-18 tape drives. The base unit supports 2 tape drives and up to 50 slots. The library then expands another 4 modules with either Cartridge Expansion Modules (CEMs) or Drive Expansion Modules (DEMs). To scale beyond 2 drives, simply add drive expansion module for up to 4 additional drive slots and additional cartridge slots or CEMs if you only need capacity.

Does the SL500 offer Capacity on Demand?

Yes. The SL500 offers the ability to utilize capacity-on-demand and grow in 30 slot increments with each DEM. These slot upgrades are available to download from Oracle's E-delivery site.

What drive technology does the SL500 support?

The SL500 supports both HP and IBM LTO full height drives. It does not support StorageTek enterprise drives.

What size racks or cabinets are required for the SL500?

The SL500 fits a standard 19 inch rack.

Can I move my drives and media from my current tape library?

Oracle leads the industry in investment protection. The SL500 offers drive conversion trays to support movement of your existing drives into the SL500 from older libraries as well as from the SL500 to the SL3000 and SL8500 libraries as your data needs grow.

Can I mix drive generations in my library?

Yes. StorageTek tape libraries support multi-generational LTO drive environments. Your LTO4 drives and LTO5 drives can sit side by side in your StorageTek library.

What interfaces are supported in the SL500 and can I mix interfaces?

The SL500 supports FC, SAS and SCSI. The current SL500 library is either FC or a "bridged base".

The SCSI library base unit went EOL in December 2010, upgrade drives are still available.

The new, bridged base for the SL500 supports an HP LTO5 FC or SAS drive as the bridging drive and all other supported SL500 LTO drives can be used thereafter (i.e. mixed interfaces are supported). How many partitions does the SL500 support?

The SL500 supports up to 8 native physical partitions. Partitions can be assigned via SLC. This is an optional feature in the SL500.

Can the SL500's Cartridge Access Ports be inactivated to be used as data slots?

Yes. The CAP slots can be specified as data or CAP slots. They can also be assigned or shared between partitions.

What types of redundant components are offered with the SL500?

The StorageTek SL500 modular library system minimizes data down time with high reliability, availability, and serviceability features. Redundant components include: power supplies, Fibre Channel library control cards, and fans.

Is the SL500 compatible with Oracles KMS solution?

Yes. The SL500 is compatible with Oracle's StorageTek Crypto Key Management System with both HP and IBM LTO4 and LTO5 drives.

What support is available for Oracle's hardware products?

Oracle offers complete-system support including 24/7 hardware service, rapid onsite expert technical support, proactive tools, and updates to Oracle operating systems, Oracle VM, and integrated software (such as firmware) — all for a single price. For more information and related offerings, visit:

<http://www.oracle.com/us/support/systems/premier/index.html>

Where can I find more information about Oracle's hardware warranty?

For more information on Oracle's technical support policies and the Oracle Hardware Warranty, visit:

<http://www.oracle.com/us/support/policies/index.html>



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