

IBM System Storage TS3310 Tape Library



Highlights

- Modular, scalable tape library designed to grow as your needs grow
- Available in desktop, deskside and rack mounted configurations
- Designed for optimal data storage efficiency with high cartridge density using standard or WORM LTO data cartridges

- Hot-swap tape drives and power supplies
- Redundant power and host path connectivity failover options
- Remote Web-based management and SMI-S interface capable

The IBM System Storage™ TS3310

Tape Library is a modular, scalable tape library designed to address the tape storage needs of rapidly growing companies who find themselves space and resource constrained with tape backup and other tape applications.

Designed around a 5U high modular base library unit, the TS3310 is designed to scale vertically with expansion for LTO tape cartridges, drives and redundant power supplies.

The base library module, model L5B, is the entry point for the product family. It contains all of the necessary robotics and intelligence to manage the 5U high library system, which houses up to 41 cartridges (35 storage slots and 6 Input/Output slots) and two LTO generation 4 and/or generation 3 tape drives.

The TS3310 model L5B can be expanded with the addition of expansion units, the model E9U.

Each model E9U contains 92 physical LTO cartridge storage cells and space for up to four LTO 4 and/or LTO 3 tape drives. The TS3310 supports either the standard or WORM LTO data cartridge. Additionally, the E9U has space for up to two (one redundant) power supply modules. (At least one power supply module must be installed if a drive is present in the E9U.)

For organizations unsure of their short or long term tape capacity needs, the TS3310 Tape Library's Capacity on Demand (COD) capability allows the system to scale as needs grow. In the initial shipped configuration, an E9U has half of its storage cells enabled. As your

business grows, the purchase of a capacity on demand key allows you to enable the second half of the model E9U storage cells.

Building on the success of IBM's patented Multi-path architecture, the TS3310 can be divided into one logical library per installed tape drive. These logical libraries can be simultaneously connected to a wide variety of different servers, running different operating systems and tape applications.

Designed for the ultimate in system availability, optional data path and control path feature can help support ongoing host connectivity under a variety of adverse conditions.

To help you measure and evaluate media and drive performance in the library, an Advanced Reporting may be activated via license key. This feature enables drive resource utilization reporting and media integrity analysis reporting functions. These user-configurable reporting functions provide graphical displays for both diagnostic and trend analysis data, designed to help evaluate tape drive, and media performance and drive utilization parameters. The drive resource utilization report can help you identify drives or groups of drives that are nearing 100% utilization. It will also help identify drive resources that are not being fully utilized and provide information necessary to determine if additional drives are necessary.

An Encryption Key Manager path diagnostic function is also available to assist administrative users in the setup, configuration, or troubleshooting of encryption enabled libraries.

TS3310	Tape	Library	configurations

3576 Model L5B	3576 Model L5B and four E9U models
Base library	Base library and 4 expansion units
35	401
6	54
2	18
56 TB	up to 641.6 TB
n/a	46 cartridges
2	18
	Base library 35 6 2 56 TB

Form factor/height (H \times W \times D)	L5B: 219.7 mm (8.65 in) x 443.2 mm (17.45 in) x 801.4 mm (31.55 in) L5B+E9U: 620.8 mm (24.4 in) x 443.2 mm (17.45 in) x 801.4 mm (31.55 in)	
Tape Drive Interface options	4 Gbps Fibre Channel and 3 Gbps SAS (LTO4 only), SCSI-U160 (LTO3 only)	
Network interface	Ethernet	
Power supply (std/max)	L5B: 1 standard (2 max) L5B+E9U: 2 standard (4 max); L5B+E9U+E9U: 3 standard (6 max); L5B+3 E9U: 4 std (8 max); L5B + 4 E9U: 5 std (10 max)	
Hot-swap components	Power supplies, tape drives	
RAID support	n/a	
Systems management	SMI-S enabled	
Operating systems supported	OS/400®, V5R2, V5R3, or later AIX 5L™ V5.1, V5.2, V5.3 or later Sun Solaris 8 and 9 Microsoft® Windows® 2000 Microsoft Windows 2003 HP-UX 11.0, HP-UX 11.11 and HP-UX 11.23¹ Linux® distributions: Red Hat Enterprise Linux Version 4 SUSE Linux Enterprise Server 9	
Limited warranty	1 year 9 x 5 next business day	
Weight	L5B: 38.6 kg (85 lb) max L5B+E9U: 88.5 kg (195 lb) max	



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MB, GB and TB equal 1,000,000,
1,000,000,000 and 1,000,000,000,000 bytes,
respectively, where referring to storage capacity.
Actual storage capacity will vary based upon
many factors and may be less than stated.
Some numbers given for storage capacities give
capacity in native mode followed by capacity
using data compression technology. (this
paragraph is required only when we mention
MB, GB, TB capacity statements/specifications)

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¹ HP-UX patches may be required.

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