

## IBM System Storage TS3310 Tape Library



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

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### Highlights

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- **Modular, scalable tape library designed to grow as your needs grow**
- **Hot-swap tape drives and power supplies**
- **Available in desktop, deskside and rack mounted configurations**
- **Redundant power and host path connectivity failover options**
- **Designed for optimal data storage efficiency with high cartridge density using standard or WORM LTO™ data cartridges**
- **Remote Web-based management and SMI-S interface capable**

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 36 cartridges (30 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) built-in 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.

## TS3310 Tape Library configurations

	3576 Model L5B	3576 Model L5B and four E9U models
<b>Configuration</b>	Base library	Base library and 4 expansion units
<b>LTO storage slots (max)</b>	30	396
<b>LTO Input/Output slots (max)</b>	6	54
<b>Maximum tape drives</b>	2	18
<b>Total Physical Capacity (2:1 compression)</b>	24 TB	up to 633.6 TB
<b>Capacity on Demand increments</b>	n/a	46 cartridges
<b>Maximum logical libraries</b>	2	18

## TS3310 Tape Library at a glance

<b>Form factor/height</b> (H x W x 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)
<b>Tape Drive Interface options</b>	4 Gbps Fibre Channel and 3 Gbps SAS (LTO4 only), SCSI-U160 (LTO3 only)
<b>Network interface</b>	Ethernet
<b>Power supply</b> (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)
<b>Hot-swap components</b>	Power supplies, tape drives
<b>RAID support</b>	n/a
<b>Systems management</b>	SMI-S enabled
<b>Operating systems supported</b>	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 11.23' Linux® distributions: Red Hat Enterprise Linux Version 4 SUSE Linux Enterprise Server 9
<b>Limited warranty</b>	1 year 9 x 5 next business day
<b>Weight</b>	L5B: 38.6 kg (85 lb) max L5B+E9U: 88.5 kg (195 lb) max

## For more information

Contact your IBM representative or IBM Business Partner or visit:

[ibm.com/storage/tape](http://ibm.com/storage/tape)



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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<sup>1</sup> HP-UX patches may be required.

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