

## IBM System Storage TS3400 Tape Library



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### Highlights

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- ***Designed to provide the high capacity and attractive performance of TS1120 tape drives in a smaller automation footprint***
- ***Standalone or rack-mountable***
- ***Supports 3592 media including non-erasable, non-rewritable cartridges***
- ***Available with one or two TS1120 tape drives with 4Gb Fibre Channel attachment***

The IBM System Storage™ TS3400 Tape Library is designed to offer the high capacity and performance advantage of the IBM System Storage TS1120 Tape Drive in a smaller automation footprint for System i™, System p™, System x™, System z™<sup>1</sup> and other open systems environments. The TS3400 tape library is an external 5U standalone or rack-mountable unit supporting up to two TS1120 tape drives with a data transfer rate of up to 104 MBps per drive.

The TS3400 tape library is an excellent tape storage solution for organizations already using TS1120 tape drives in their data centers who want to use the same technology in remote locations. The TS3400 is also designed for organizations that have limited physical space in their IT environments. The TS3400 can be installed in a standard 19" rack, providing up to 37.8TB of compressed tape storage in a 5U space.

The TS3400 tape library has two removable cartridge magazines, providing 18 data cartridge slots. Up to three slots can be used for I/O slots, and up to two slots can be used as cleaning cartridge slots. The TS3400 tape library provides a media capacity of up to 18 cartridges, allowing for up to 12.6TB of storage (37.8TB with 3:1 compression) when using 700GB extended capacity cartridges.

Remote management via a Web browser allows you to communicate directly with the library and perform a wide range of end user, operator and

administrator tasks without being at the operator panel. To take further advantage of your investment, you can partition the library into two logical partitions to share the library between different applications. To support continued processing, the TS3400 tape library is equipped with control path and data path failover.

### **Encryption Support**

To help keep information confidential if backup tapes are lost or stolen, the TS3400 tape library supports TS1120 tape drive-based encryption. The TS1120 tape drive includes data encryption capabilities within the drive itself, helping to avoid the need for

host-based encryption of data—and the concurrent drain on host performance and resources—or the additional expense of specialized encryption appliances.

The IBM Encryption Key Manager component for the Java™ platform can help generate and manage encryption keys for TS1120 tape drives across the enterprise. This feature uses standard key repositories and supports three different encryption key management methods: application managed, system managed or library managed.

## IBM System Storage TS3400 Tape Library at a glance

<b>Tape Drive</b>	TS1120 tape drive
<b>Number of Drives</b>	Up to 2
<b>Number of tape cartridges</b>	Up to 18
<b>Number of Input/Output slots</b>	Up to 3
<b>Number of Logical Libraries</b>	Up to 2
<b>Capacity<sup>2</sup></b>	12.6TB native capacity (37.8TB with 3:1 compression)
<b>Data transfer rate</b>	Up to 104 MBps
<b>Media type</b>	IBM 3592 JA/JB/JJ and JW/JR/JX Write Once Read Many (WORM) cartridges
<b>Dimensions</b>	17.5" (445 mm) x 8.71" (221.45 mm) x 35.23" (895 mm)
<b>Max. weight</b>	67 lb. (30.39 kg) without drives, 92 lb. (41.73 kg) with 2 drives
<b>Warranty</b>	1 year on site repair
<b>Operating Environment</b>	
Temperature	16° to 32° C (61° to 90° F)
<b>Relative Humidity</b>	20% to 80% (non-condensing)
<b>Wet bulb maximum</b>	23.0° C (73.4° F)
<b>Electrical power</b>	117.85W (including two drives)
<b>Attachment and systems support</b>	IBM System i, System p, System x and System z <sup>1</sup> servers and other non-IBM servers
<b>Operating systems support</b>	Device driver support is available for IBM AIX®; IBM OS/400®; IBM i5/OS®; Windows® 2000; Windows Server™ 2003; Linux®; Sun Solaris; and HP-UX.

## For more information

Contact your IBM representative or  
IBM Business Partner or visit:

[ibm.com/storage/tape/ts3400/](http://ibm.com/storage/tape/ts3400/)



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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.

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<sup>1</sup> System z support for Linux only using FCP

<sup>2</sup> Capacity depends on drives installed, number  
and type of cartridges used, and compression  
ratio achieved. Listed capacity is physical.  
Usable capacity may be less.