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## Highlights

- Support the latest Linear Tape-Open (LTO) technology with up to four LTO Ultrium 8 tape drives using a 4U form factor
  - Gain outstanding capacity, performance and reliability for a cost-effective backup, restore and archive for midrange storage environments
  - Simplify user access to data stored on LTO Ultrium 8, 7, 6 and 5 drives through the use of IBM® Spectrum Archive featuring IBM Linear Tape File System technology
  - Manage library remotely through a standard web interface with flexibility and greater administrative control of storage operations.
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# IBM TS3200 Tape Library

*Entry-level LTO tape library designed to provide reliable, high-capacity, high-performance tape backup*

IBM TS3200 Tape Library leverages the latest generation of LTO technology to help cost-effectively handle growing storage requirements.

TS3200 Tape Library – and its storage management applications – is designed to address capacity, performance, data protection, reliability, affordability and application requirements. It is a functionally rich, high-capacity, entry-level tape-tape automation for IBM Power Systems and other open systems.

TS3200 Tape Library is well-suited for handling the backup, restore and archive data-storage needs for small to midsized environments. With the use of up to two LTO Ultrium full-height tape drives or up to four LTO Ultrium half-height tape drives and with 48 tape cartridge capacity, TS3200 Tape Library is designed to use LTO technology to cost-effectively handle growing storage requirements. It is configured with four removable cartridge magazines, two on the left side (24 data cartridge slots) and two on the right (24 data cartridge slots). Additionally, the lower left magazine includes a three-slot input/output (I/O) station to help support continuous library operation while importing and exporting media. A bar code reader is standard in the library, supporting its operation in sequential or random-access mode. TS3200 Tape Library also comes standard with remote management capabilities to allow for remote administration of the tape library through a web interface.



The optional Path Failover feature is designed to provide automatic control path failover to a preconfigured redundant control path in the event that a host adapter or control path drive is lost, without aborting the current job in process.

LTO Ultrium 8 technology is designed to provide greater capacity with continued support for data encryption. The hardware encryption and decryption core and control core reside in the LTO Ultrium 8 tape drive (available to TS3200 Tape Library with a 6 Gigabits per second (Gbps) serial attached SCSI (SAS) interface). A large internal data buffer helps improve data access rates and reduce cartridge fill and rewind times along with dynamic channel calibration to help increase data throughput. In addition to reading and writing to LTO Ultrium 8 tape cartridges, the LTO Ultrium 8 tape drive can read and write to LTO Ultrium 7 cartridges with improved data rates. The LTO Ultrium 8 tape drive is designed to support up to 300 megabytes per second (MBps) native data-transfer rates and up to 12 terabytes (TB) native physical capacity when using the LTO Ultrium 8 TB data cartridge (30 TB with 2.5:1 compression). TS3200 Tape Library, featuring LTO Ultrium 8 tape drives, has a capacity of up to 576 TB native (1,440 TB with 2.5:1 compression).



TS3200 Tape Library, featuring full- and half-height technology, offers 8 Gbps Fibre Channel (FC) for LTO Ultrium 8, 7, 6 and 5 and 6 Gbps SAS interfaces for LTO Ultrium 8, 7, 6 and 5. It can be attached to a wide variety of open-system servers. The sequential or random-access library comes in a standalone or optional rack-mountable configuration. TS3200 Tape Library also has an LCD display and indicators for power, drive and activity, error status and message information.

**IBM TS3200 Tape Library model at a glance**

Drive options	LTO Ultrium 8 half-height: 6 Gbps SAS (FC # 8547); 8 Gbps FC (FC # 8548) LTO Ultrium 7 full-height: 8 Gbps FC (FC # 8444) LTO Ultrium 7 half-height: 6 Gbps SAS (FC # 8447); 8 Gbps FC (FC # 8448) LTO Ultrium 6 full-height: 8 Gbps FC (FC # 8344) LTO Ultrium 6 half-height: 6 Gbps SAS (FC # 8347); 8 Gbps FC (FC # 8348) LTO Ultrium 5 full-height: 6 Gbps SAS (FC # 8245); 8 Gbps FC (FC # 8244) LTO Ultrium 5 half-height: 6 Gbps SAS (FC # 8247); 8 Gbps FC (FC # 8248)
Available models	TS3200 Tape Library model L4U 3573 L4U (MTM)

**Optional feature codes**

Path failover	FC # 1682
Transparent LTO Ultrium encryption	FC # 5900
Rack mount	FC # 7002
Right-side magazine set	FC # 8106
Left-side magazine, upper	FC # 8107
Left-side magazine, lower	FC # 8108

**IBM TS3200 Tape Library model at a glance**

LTO Ultrium tape cartridges	LTO Ultrium 8, 7 media: MT 3589 LTO Ultrium 6 media: FC # 8605 LTO Ultrium 5 media: FC # 8505
LTO Ultrium cleaning cartridge	FC # 8002
Additional power supply	FC # 1901
Tape drive type	LTO Ultrium 8 half-height; LTO Ultrium 7 full-height and half-height; LTO Ultrium 6 full-height and half-height; LTO Ultrium 5 full-height and half-height
Number of drives	1 – 4
Number of tape cartridges	48
Number of mail slots	3
Physical capacity	<p><b>Cartridge capacity</b> 30 TB compressed 2.5:1 with LTO Ultrium 8; 12 TB native 15 TB compressed 2.5:1 with LTO Ultrium 7; 6 TB native 6.25 TB compressed 2.5:1 with LTO Ultrium 6; 2.5 TB native 3.0 TB compressed 2:1 with LTO Ultrium 5; 1.5 TB native</p> <p><b>Library capacity</b> 1,440 TB compressed 2.5:1 with LTO Ultrium 8; 576 TB native 720 TB compressed 2.5:1 with LTO Ultrium 7; 288 TB native 300 TB compressed 2.5:1 with LTO Ultrium 6; 120 TB native 144 TB compressed 2:1 with LTO Ultrium 5; 72 TB native</p>
Data transfer rate (per drive)	Up to 300 MBps native with LTO Ultrium 8 Up to 300 MBps native with LTO Ultrium 7 Up to 160 MBps native with LTO Ultrium 6 Up to 140 MBps native with LTO Ultrium 5
<b>Dimensions (W x H x D)</b>	
Standalone	17.6 in. (447.5 mm) x 7.29 in. (185.2 mm) x 31.9 in. (810 mm)
Rack mount	17.6 in. (447.5 mm) x 6.89 in. (175.2 mm) x 29.13 in. (740 mm)
Weight	47 lb (21.3 kg) without rack mount
Attachment support	8 Gbps FC, 6 Gbps SAS interface
Operating systems support	Native device-driver support is available for selected IBM System servers and other Linux and Microsoft Windows open-system servers Latest support information: <a href="http://ibm.com/systems/support/storage/config/ssic">ibm.com/systems/support/storage/config/ssic</a>
Warranty	Three-year, customer-replaceable unit (CRU) service in most countries

## Why IBM?

The performance and availability of your storage environment can either enhance or hamper your business processes. That's where IBM comes in. As one of the market leaders in the storage industry, IBM can help you handle the challenges that your network or company as a whole encounters.

Innovative technology, open standards, excellent performance and a broad portfolio of storage-proven software, hardware and solutions offerings – all backed by IBM with its recognised leading-edge technology – are just a few of the reasons why you should consider IBM storage offerings.

## For more information

To learn more about the IBM TS3200 Tape Library model, please contact your IBM representative or IBM Business Partner (BP), or visit: [ibm.com/us-en/marketplace/ts3200](http://ibm.com/us-en/marketplace/ts3200)

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