

# IBM TS2900 Tape Autoloader

*Low profile, entry-level IBM LTO tape storage supported in open system platforms*



---

## Highlights

- Save space with a slim-profile, 1U system designed for rack system environments for automated, high-capacity tape storage
  - Deploy the latest generations of Linear Tape-Open (LTO) with Ultrium half-height technology designed for reliable performance in small to midsized open-system environments
  - Benefit from the lowest entry price of any IBM® tape automation solution offering half-height tape technology
  - Simplify user access to data stored on tape cartridges via IBM Spectrum Archive, featuring IBM Linear Tape File System (LTFS) technology
- 

IBM TS2900 Tape Autoloader is designed for entry-level automated backup for rack systems and small to midsized business environments. With a low-profile, high-density storage capacity, TS2900 is ideally suited for backup and archival operations. TS2900 is available with half-height LTO Ultrium 8, 7, 6 or 5 tape technology for a high-capacity, entry-priced tape storage solution.

TS2900 is equipped with standard features designed to provide convenient and secure data backup. Web-based remote management, a bar code reader and a removable tape magazine help provide ease of use. TS2900 can be used in a rack system or on a desktop next to a server in an office. These types of features help reduce the amount of required IT personnel, as well as help centralise backups in the data centre (DC). TS2900 is also designed to support the encryption of sensitive user data in combination with half-height LTO Ultrium 8, 7, 6 or 5 tape technology. With a 6 gigabits per second (Gbps) serial attached SCSI (SAS) interface, TS2900 is supported on IBM Power Systems, Intel and other open-system server platforms.



TS2900 Tape Autoloader has a nine-data-slot cartridge capacity for a total storage capacity of up to 270 terabytes (TB) with 2.5:1 compression, as well as a single input/output (I/O) station designed to provide undisturbed library operation when extracting or inserting data cartridges. TS2900 utilises one half-height LTO Ultrium drive – for generation 8, 7, 6 or 5. TS2900 is shipped as a rack-mount unit with the option of a desktop conversion kit.

Half-height LTO Ultrium 8 tape drives are designed to read and write data at a transfer rate of up to 300 Megabytes per second (MBps) and store up to 12 TB native on a single LTO Ultrium 8 data cartridge (30 TB with 2.5:1 compression). LTO Ultrium 8 technology is designed with the ability to read and write data to LTO Ultrium 7 data cartridges, thus helping to protect current investments in LTO Ultrium cartridges.



IBM TS2900 with the new LTO technology can help organisations handle the growing data demands of modern tape use cases like the FLAPE (flash and tape) infrastructure supporting media and entertainment, ultra high-definition editing, digital video surveillance, Internet of Things (IoT), active file archiving and, of course, for backup.

**IBM System Storage TS2900 Tape Autoloader Express at a glance**

Drive options	Half-height LTO Ultrium 8: 6 Gbps SAS Half-height LTO Ultrium 7: 6 Gbps SAS Half-height LTO Ultrium 6: 6 Gbps SAS Half-height LTO Ultrium 5: 6 Gbps SAS
Available models	LTO Ultrium 8 3572 S8H  LTO Ultrium 7 3572 S7H  LTO Ultrium 6 3572 S6H  LTO Ultrium 5 3572 S5H
Optional feature codes	
Desk-side cover kit	FC # 7010
Additional tape magazine	FC # 8111
Rack-mount kit	FC # 7006
Number of tape drives	1
Tape cartridge capacity	9
I/O stations	1
Physical capacity	LTO Ultrium 8: Up to 108 TB (270 TB with 2.5:1 compression) LTO Ultrium 7: Up to 54 TB (135 TB with 2.5:1 compression) LTO Ultrium 6: Up to 22.5 TB (56.25 TB with 2.5:1 compression) LTO Ultrium 5: Up to 13.5 TB (27 TB with 2:1 compression)
Data transfer rate	LTO Ultrium 8, 7: Up to 300 MBps LTO Ultrium 6: Up to 160 MBps LTO Ultrium 5: Up to 140 MBps
Dimensions (height × width × depth)	1.7 in. × 19.02 in. × 33.3 in. (43.6 mm × 445 mm × 847 mm)
Weight	28.6 lb (13 kg), without drive and cartridges
Attachment and systems support	TS2900 supports 6 Gbps attachment 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>

## Why IBM?

IBM TS2900 Tape Autoloader demonstrates IBM innovation and business value through its wide array of features, high capacity and ease of use. In addition to TS2900, IBM offers innovative technology, open standards, excellent performance and a broad portfolio of storage-proven software, hardware and solutions offerings.

## For more information

To learn more about IBM TS2900 Tape Autoloader, please contact your IBM representative or IBM Business Partner (BP), or visit: [ibm.com/us-en/marketplace/ts2900](http://ibm.com/us-en/marketplace/ts2900)



---

### IBM United Kingdom Limited

PO Box 41  
North Harbour  
Portsmouth  
Hampshire  
PO6 3AU  
United Kingdom

### IBM Ireland Limited

Oldbrook House  
24-32 Pembroke Road  
Dublin 4

IBM Ireland Limited registered in Ireland under company number 16226. The IBM home page can be found at [ibm.com](http://ibm.com)

IBM, the IBM logo, [ibm.com](http://ibm.com), IBM Spectrum Archive, Linear Tape File System and Power Systems are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries.

A current list of IBM trademarks is available on the Web at 'Copyright and trademark information' at [ibm.com/legal/copytrade.shtml](http://ibm.com/legal/copytrade.shtml)

Linear Tape-Open, LTO, the LTO Logo, Ultrium, and the Ultrium logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product and service names may be trademarks, or service marks of others.

References in this publication to IBM products, programs or services do not imply that IBM intends to make these available in all countries in which IBM operates.

Any reference to an IBM product, program or service is not intended to imply that only IBM products, programs or services may be used. Any functionally equivalent product, program or service may be used instead.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may not be new and may have been previously installed. Regardless, IBM warranty terms apply.

This publication is for general guidance only. Information is subject to change without notice. Please contact your local IBM sales office or reseller for latest information on IBM products and services.

Photographs may show design models.

© Copyright IBM Corporation 2017



Please Recycle

This publication contains non-IBM Internet addresses. IBM is not responsible for information found at these Web sites.

IBM does not provide legal, accounting or audit advice or represent or warrant that its products or services ensure compliance with laws. Clients are responsible for compliance with applicable securities laws and regulations, including national laws and regulations.