

IBM TS2900 Tape Autoloader

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



Highlights

- Slim profile, 1U system designed for rack system environments for automated, high-capacity tape storage
 - Features the latest generation of Linear Tape-Open® (LTO®) with Ultrium® 7 half-height technology designed for reliable performance in small to midsize open-system environments
 - Lowest entry price of any IBM® tape automation offering half-height tape technology
-

The IBM TS2900 Tape Autoloader is designed for entry-level automated backup for rack system and small to midsize business environments. With a low-profile, high-density (HD) storage capacity, the TS2900 is ideally suited for backup and archival operations. The TS2900 is available with half-height LTO Ultrium 7, 6, 5 or 4 tape technology for a high-capacity, entry-priced tape storage solution.

The TS2900 is equipped with standard features designed to provide ease-of-use and secured data backup. Web-based remote management, a bar code reader and a removable tape magazine help provide ease of use. The 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). The TS2900 is also designed to support the encryption of sensitive user data in combination with half-height LTO Ultrium 7, 6, 5 or 4 tape technology. With a 6 Gigabits per second (Gbps) serial-attached SCSI (SAS) interface, the TS2900 is supported on IBM Power Systems, Intel® and other open-system server platforms.



The TS2900 Tape Autoloader has a nine-data-slot cartridge capacity for a total storage capacity of up to 135 Terabytes (TBs) 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. The TS2900 utilises one half-height LTO Ultrium drive – in generation 7, 6, 5 or 4. The TS2900 is shipped as a rack-mount unit with the option of a desktop conversion kit.

Half-height LTO Ultrium 7 tape drives are designed to read and write data at a transfer rate of up to 300 Megabyte per second (MBps) and store up to 6 TB native on a single LTO Ultrium 7 data cartridge (15 TB with 2.5:1 compression). LTO Ultrium 7 technology is designed with the ability to read and write data to LTO Ultrium 6 data cartridges as well as read LTO Ultrium 5 data cartridges, thus helping to protect current investments in LTO Ultrium cartridges.



Why IBM?

The 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 the TS2900, IBM offers innovative technology, open standards, excellent performance and a broad portfolio of storage-proven software, hardware and solutions offerings.

IBM System Storage TS2900 Tape Autoloader Express at a glance

Drive options	Half-height LTO Ultrium 7: 6 Gbps SAS Half-height LTO Ultrium 6: 6 Gbps SAS Half-height LTO Ultrium 5: 6 Gbps SAS Half-height LTO Ultrium 4: 6 Gbps SAS
Available models	LTO Ultrium 7 3572 S7H LTO Ultrium 6 3572 S6H LTO Ultrium 5 3572 S5H LTO Ultrium 4 3572 S4H
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 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) LTO Ultrium 4: Up to 7.2 TB (14.4 TB with 2:1 compression)
Data transfer rate	LTO Ultrium 7: Up to 300 MBps LTO Ultrium 6: Up to 160 MBps LTO Ultrium 5: Up to 140 MBps LTO Ultrium 4: Up to 120 MBps
Dimensions (height × width × depth)	1.73 in. × 19.02 in. × 33.46 in. (44 mm × 483 mm × 850 mm)
Weight	28.6 lb (13 kg), without drive and cartridges
Attachment and systems support	The TS2900 supports 6 Gbps attachment available for selected IBM System servers and other Linux® and Microsoft® Windows® open-system servers. Latest support information: ibm.com/systems/support/storage/config/ssic

For more information

To learn more about the IBM TS2900 Tape Autoloader, please contact your IBM representative or IBM Business Partner (BP), or visit: ibm.com/systems/storage/tape/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

IBM, the IBM logo, ibm.com, Power Systems and System Storage 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

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 2015



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.