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: **ibm.com**/systems/support/storage/config/ssic

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

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