

IBM System Storage TS2900 Tape Autoloader Express

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



Highlights

- 1U slim profile designed for rack system environments for automated, high-capacity tape storage
 - Features the newest generation of LTO® with IBM® Ultrium® 5 half-height (HH) technology designed for reliable performance in small-to-medium open system environments
 - Lowest entry price of any IBM tape automation offering IBM HH tape technology
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The IBM System Storage® TS2900 Tape Autoloader Express® is designed for entry-level automated backup for rack system and small-to-medium business environments. With a low profile, high-density storage capacity, the TS2900 is ideally suited for backup and archival operations. The TS2900 is available with IBM HH LTO-5, HH LTO-4 or HH LTO-3 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 requirements of IT personnel staff, as well as help centralize backup in the data center. The TS2900 is also designed to support the encryption of sensitive user data in combination with HH LTO-5 or LTO-4 tape technology from IBM. With 6 Gbps SAS attach, the TS2900 is supported on IBM Power Systems™, IBM System x®, Intel®, and other competitive open system server platforms.



The TS2900 Tape Autoloader has a nine data slot cartridge capacity for a total storage capacity of up to 27 TB with 2:1 compression, as well as a single I/O station designed to provide undisturbed library operation when extracting or inserting data cartridges. The TS2900 utilizes one IBM half-height LTO drive, either an IBM half-height LTO generation 5, an IBM half-height LTO generation 4 or an IBM half-height LTO generation 3. The TS2900 is shipped as a rack mount unit, with the option of a desktop conversion kit.

IBM half-height Ultrium 5 tape drives are designed to read and write data at a transfer rate of up to 140 MBps and store up to 1.5 TB native on a single Ultrium 5 data cartridge (3.0 TB with 2:1 compression). IBM Ultrium 5 technology is designed with the ability to read and write data to Ultrium 4 data cartridges as well as read Ultrium 3 data cartridges, thus helping to protect current investments in LTO cartridges. IBM half-height Ultrium 4 tape drives are designed to read and write data at a transfer rate of up to 120 MBps and store up to 800 GB native



on a single Ultrium 4 data cartridge (1.6 TB with 2:1 compression). IBM Ultrium 4 technology is designed with the ability to read and write data to Ultrium 3 data cartridges as well as read Ultrium 2 data cartridges, thus helping to protect current investments in LTO cartridges. The IBM half-height Ultrium 3 technology can read and write data up to 80 MBps for a data cartridge capacity of up to 400 GB native (800 GB with 2:1 compression). In addition, IBM Ultrium 3 tape drives can read and write data to Ultrium 2 data cartridges and read Ultrium 1 data cartridges.

IBM System Storage TS2900 Tape Autoloader at a glance

Drive Options	<ul style="list-style-type: none"> Ultrium 5 half height: 6 Gbps SAS Ultrium 4 half height: 6 Gbps SAS Ultrium 3 half height: 3 Gbps SAS
Available Models	<ul style="list-style-type: none"> LTO-5 3572 S5H (AAS – AP, LA) 3572S5R (HVEC – WW) LTO-4 3572 S4H (AAS – WW) 3572S4R (HVEC - WW) LTO-3 3572 S3H (AAS – WW) 3572S3R (HVEC - WW)
Optional Feature Codes	
Deskside Cover kit	PN 45E3789
Additional Tape Magazine	PN 45E3793
Rack Mount Kit	PN 45E3785
Number of Tape Drives	1
Tape Cartridge Capacity	9
I/O Stations	1
Physical Capacity	<ul style="list-style-type: none"> LTO 5: Up to 13.5 TB (27 TB with 2:1 compression) LTO 4: Up to 7.2 TB (14.4 TB with 2:1 compression) LTO 3: Up to 3.6 TB (7.2 TB with 2:1 compression)
Data Transfer Rate	<ul style="list-style-type: none"> LTO 5: Up to 140 MBps LTO 4: Up to 120 MBps LTO 3: Up to 80 MBps
Dimensions (W×H×D)	19.02 in × 1.73 in × 33.46 in (483 mm × 44 mm × 850 mm)
Weight	28.6 lbs. (13 kg), without drive and cartridges
Attachment and Systems Support	<p>The TS2900 supports 6 Gbps attachment available for selected IBM System servers and other Linux® and Windows® open system servers.</p> <p>Latest support information: ibm.com/systems/support/storage/config/ssic</p>

For more information

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



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Route 100
Somers, NY 10589
U.S.A.

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