

# IBM TS2250 tape drive

## Fifth-generation LTO Ultrium half-height tape drive

---

### Highlights

- Reduce costs with lower power consumption and space reduction
  - Support media partitioning on Linear Tape-Open (LTO) Ultrium 5 media
  - Simplify data management with IBM Spectrum Archive using LTFS technology
  - Address backup and archiving requirements with lower cost implementation
- 

Today, data is a key corporate asset in all types of businesses. The ability to access data quickly and reliably is critical to your success. The main challenge for midmarket chief information officers (CIOs) is how to cost-effectively store, archive and retrieve an explosion of new information; how to protect and secure that information; and how to meet compliance requirements and make information accessible for business insight, where and when it's needed.

The IBM TS2250 tape drive—the entry-level IBM tape product family offering—is the answer to growing storage requirements. Incorporating the industry-leading LTO Ultrium technology, the TS2250 tape drive is suited for handling backup, save and restore, and archival data storage needs with higher capacity and higher data transfer rate than previous generations. In addition, IBM LTO Ultrium 5 technology is designed to support media partitioning, and LTFS technology. It also continues to support encryption of data and write-once-read-many (WORM) media.

The TS2250 tape drive is an excellent tape storage solution for businesses requiring backup and low-cost, archival storage of their data. TS2250 provides a physical storage capacity of up to 3.0 TB (with 2:1 compression) in conjunction with the IBM LTO Ultrium 1.5 TB data cartridge, nearly double the capacity of LTO Ultrium 4 cartridges. The data transfer performance of the TS2250 tape drive has increased over the previous LTO Ultrium half-height generation with a transfer rate of up to 140 MBps with 6 Gbps SAS interface connectivity. The drive offers two SAS and one Ethernet port per drive to improve availability.

---



---

*IBM TS2250 tape drive*

## Advanced features

The TS2250 tape drive features 6 Gbps SAS interface for connection to a wide spectrum of open-system servers. TS2250 is designed to address your backup and restore needs. The LTO Ultrium 5 tape media provides partitioning support, which, in conjunction with LTFS technology available via IBM Spectrum Archive, provides customers with the ability to have file-level access to tape data. This support helps quickly locate and update information on the tape media.

LTO Ultrium 5 technology is also designed to support encryption of data. The hardware encryption and decryption core and control core reside in the LTO Ultrium 5 tape drive. In addition to reading and writing to LTO Ultrium 5 tape cartridges, TS2250 can read and write to LTO Ultrium 4 cartridges and read LTO Ultrium 3 cartridges.

## Software support

You can help increase the power of the TS2250 tape drive by managing it with tape management solutions such as IBM Spectrum Protect or other, third-party, storage software.

## Media

You can order data and cleaning cartridges for the TS2250 tape drive at the time of purchase or from IBM Media, IBM Supplies distribution and authorized dealers.

**IBM TS2250 tape drive at a glance**

Available configurations	Model 3580 H5S—One LTO Ultrium 5 tape drive, 6 Gbps SAS interface PN 3580S5E
Tape drive type	IBM LTO Ultrium 5
Physical capacity	1.5 TB Native; 3.0 TB with 2:1 compression
Number of tape drives	1
Number of tape cartridges	1
Data transfer rate	Up to 140 MBps native
Media type	IBM LTO 5 data cartridge IBM LTO cleaning cartridge
Weight	4.3 kg (9.5 lb)
Power requirements	100 - 240 V ac, 50 - 60 Hz autoranging
Dimensions (W x H x D)	21.3 cm x 5.8 cm x 33.2 cm (8.39 in. x 2.29 in. x 13.07 in.)
Warranty	Three-year limited warranty, customer-replaceable unit (CRU) and on-site service in most countries, next business day 9x5, service upgrades available

---

## Why IBM?

With over 60 years in the market, IBM continues to create innovative data storage products that help customers backup and restore data for business continuity, recover their data in times of disaster, and archive for data protection and long-term retention. IBM invented the concept of using tape-recording media for data storage in 1952 and has been leading the IT industry ever since.

Innovative technology, open standards, excellent performance, and a broad portfolio of storage-proven software, hardware and solutions offerings—all backed by IBM with its recognized technology leadership—are just a few of the reasons why you should consider IBM storage offerings. IBM offers some of the best storage products and solutions, designed with industry-leading technologies—without the complexity of dealing with different hardware and software vendors or system integrators

## For more information

To learn more about the IBM TS2250 tape drive, please contact your IBM representative or IBM Business Partner, or visit:

- [ibm.com/systems/storage/tape/ts2250/index.html](https://ibm.com/systems/storage/tape/ts2250/index.html)
- [ibm.com/systems/storage/product/tape.html](https://ibm.com/systems/storage/product/tape.html)
- [ibm.com/systems/storage/news/center/tape/lto/index.html](https://ibm.com/systems/storage/news/center/tape/lto/index.html)

Additionally, IBM Global Financing provides numerous payment options to help you acquire the technology you need to grow your business. We provide full lifecycle management of IT products and services, from acquisition to disposition. For more information, visit: [ibm.com/financing](https://ibm.com/financing)

© Copyright IBM Corporation 2019.

IBM, the IBM logo, and ibm.com are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at <https://www.ibm.com/legal/us/en/copytrade.shtml>, and select third party trademarks that might be referenced in this document is available at [https://www.ibm.com/legal/us/en/copytrade.shtml#section\\_4](https://www.ibm.com/legal/us/en/copytrade.shtml#section_4).

This document contains information pertaining to the following IBM products which are trademarks and/or registered trademarks of IBM Corporation: IBM®, Spectrum Archive™, IBM Linear Tape File System™, IBM Spectrum™

---



Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are registered trademarks of Hewlett Packard Enterprise, International Business Machines Corporation and Quantum Corporation in the United States and other countries.

---

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.