Next generation, high capacity, half-high Linear Tape-Open Tape Drive designed for the midrange open systems environment

IBM System Storage TS2240 Tape Drive Express Model

Highlights

- ***Designed to provide high-capacity tape storage in a small half-high form factor to address backup and archiving requirements***
- ***Available hardware encryption designed to offer highly secure data storage***
- ***Native data transfer rate of up to 120 MB/sec***

IBM System Storage TS2240 Tape Drive Express Model

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. Whether your business utilizes a high-performance network server or individual workstations, archiving and retrieving data in a dependable and consistent manner is mission critical.

The IBM System Storage™ TS2240 Tape Drive Express—the entry-level IBM TotalStorage® tape product family offering—is the answer to growing storage requirements and shrinking backup windows. Incorporating the latest generation of advanced Linear

Tape-Open™ (LTO™) technology, the TS2240 Tape Drive is suited for handling the backup, save and restore, and archival data storage needs of a wide range of small systems. In addition, the TS2240 provides added security features by supporting encryption of data with 3 Gbps SAS connectivity.

The System Storage TS2240 Tape Drive is an excellent tape storage solution for businesses requiring backup or low-cost, real-time archival storage of their data. The TS2240, with a half-high form factor, offers the same high capacity of full-high LTO 4 tape drives. The TS2240 has a physical storage capacity of up to 1.6 TB (with 2:1 compression) in conjunction with the new IBM System Storage LTO Ultrium™ 800 GB data cartridge, which provides up to double the capacity of Ultrium 3 cartridges. The native data transfer performance of the TS2240 Tape Drive has increased over the previous LTO half-high generation to up to 120 MB/sec. The TS2240 Tape Drive continues to provide an excellent alternative to slower and smaller capacity 1/4-inch, 4 mm and 8 mm DLT/SDLT tape drives.

Advanced features

The IBM System Storage TS2240 Tape Drive features 3 Gbps SAS interface for connection to a wide spectrum of open system servers. The TS2240 is designed to address your most demanding backup and restore needs. The IBM Ultrium 4 technology is designed to support encryption of data. The hardware encryption and decryption core and control core resides in the IBM Ultrium 4 tape drive. A large internal data buffer helps improve data access rates and reduce cartridge fill and rewind times along with dynamic channel calibration to help increase data throughput. In addition to reading and writing to LTO Ultrium 4 tape cartridges, the TS2240 can read and write to LTO Ultrium 3 cartridges and read LTO Ultrium 2 cartridges.

Software support

You can help increase the power of the IBM System Storage TS2240 Tape Drive by managing it with tape management solutions such as IBM Tivoli® Storage Manager or other third-party storage software.

Media

You can order data and cleaning cartridges for the IBM TS2240 Tape Drive at the time of purchase or from IBM Media, IBM Supplies Distribution and authorized dealers. Call 1 888 IBM-Media (1 888 426-6334) toll-free in the United States and Canada.

IBM System Storage TS2240 Tape Drive Express Model

Available Configurations	Model “3580 H4S”—One IBM Ultrium 4 Tape Drive, 3 Gbps SAS attach PN 3580S4E PN 3580E4S – Express Seller bundle with rack mount kit
Common features	
Tape Drive Type	IBM LTO Ultrium 4
Physical Capacity	Up to 1.6 TB per cartridge with 2:1 compression; 800 GB native
Number of Tape Drives	1
Number of tape cartridges	1
Data transfer rate	Up to 120 MB/sec native
Media Type	IBM LTO Ultrium 4 IBM TotalStorage LTO Ultrium 800 GB Data Cartridge IBM TotalStorage LTO Cleaning Cartridge Call 1-888-IBM-Media
Weight	4.08 kg (9.03 lb)
Power requirements	1.0–0.5 A at 100–240 V AC, 50/60 Hz
Dimensions	25.0 cm W x 6.0 cm H x 27.5 cm D (9.85 in x 2.36 in x 10.8 in)
Warranty	Three-year, Customer Replaceable Unit (CRU) in most countries

For more information

Contact your IBM representative or IBM Business Partner or visit:

ibm.com/storage/lto

© Copyright IBM Corporation 2007

IBM Systems and Technology Group
Route 100
Somers, New York 10589

Produced in the United States of America
December 2007

All Rights Reserved

IBM, the IBM logo, System Storage, Tivoli and TotalStorage are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both.

Linear Tape Open, LTO and Ultrium are trademarks of Hewlett-Packard, Quantum and IBM in the United States, other countries or both.

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

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESSED OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided.

References in this document to IBM products, programs or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM program or product in this document is not intended to state or imply that only that program may be used. Any functionally equivalent program or product that does not infringe IBM's intellectual property rights may be used instead. It is the user's responsibility to evaluate and verify the operation of any non-IBM product, program or service.

IBM's customer is responsible for ensuring its own compliance with legal requirements. It is the customer's sole responsibility to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the customer's business and any actions the customer may need to take to comply with such laws. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the customer is in compliance with any law.

This document could include technical inaccuracies or typographical errors. IBM may make changes, improvements or alterations to the products, programs and services described in this document, including termination of such products, programs and services, at any time and without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. The information contained in this document is current as of the initial date of publication only and is subject to change without notice. IBM shall have no responsibility to update such information.

IBM is not responsible for the performance or interoperability of any non-IBM products discussed herein. Performance data for IBM and non-IBM products and services contained in this document was derived under specific operating and environmental conditions. The actual results obtained by any party implementing such products or services will depend on a large number of factors specific to such party's operating environment and may vary significantly. IBM makes no representation that these results can be expected or obtained in any implementation of any such products or services.

MB, GB and TB equal 1,000,000, 1,000,000,000 and 1,000,000,000,000 bytes, respectively, where referring to storage capacity. Actual storage capacity will vary based upon many factors and may be less than stated.

TSD03031-USEN-01