IBM System Storage
TS2240 Tape Drive
Express Model H4V

Fourth-generation, high capacity, half-height Linear Tape-Open Tape Drive

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 Model H4V—one of the entry-level IBM System Storage tape product family offerings—is the answer to growing storage requirements and shrinking backup windows. Incorporating the fourth 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 up to 6 Gbps Serial Attached SCSI (SAS) connectivity and the security of LTO-based data encryption.

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-height form factor,
IBM Systems and Technology
Data Sheet

offers the same high capacity of full-height 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 IBM System Storage LTO Ultrium® 800 GB data cartridge, which provides up to twice the capacity of Ultrium 3 cartridges. The native data transfer performance of the TS2240 Tape Drive has increased over the previous LTO half-height 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 digital linear tape (DLT or SDLT) drives.

Advanced features
The IBM System Storage TS2240 Tape Drive Express Model H4V is designed to address your most demanding backup and restore needs, with a 6 Gbps SAS interface that enables connection to a wide spectrum of open system servers. A large internal data buffer helps improve data access rates and reduce cartridge fill and rewind times. In addition, dynamic channel calibration helps increase data throughput.

The TS2240 supports the LTO Ultrium 4 data encryption standard. In addition to reading and writing to LTO Ultrium 4 tape cartridges, the TS2240 can read and write to LTO Ultrium 3 cartridges and can read LTO Ultrium 2 cartridges.

Software support
The IBM System Storage TS2240 Tape Drive is designed to be managed by tape management software solutions such as IBM Tivoli® Storage Manager or other third-party storage software.

Media
Data and cleaning cartridges for the IBM TS2240 can be ordered at the time the drive is purchased 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 at a glance

| **Model and Part number** | Model Number; 3580 H4V  
<table>
<thead>
<tr>
<th></th>
<th>Part Number: 3580S4V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Common features</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Tape Drive Type</strong></td>
<td>IBM LTO Ultrium 4 half-height SAS tape drive V2</td>
</tr>
<tr>
<td><strong>Physical Capacity</strong></td>
<td>Up to 1.6 TB per cartridge with 2:1 compression; 800 GB native</td>
</tr>
<tr>
<td><strong>Number of Tape Drives</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Number of tape cartridges</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Data transfer rate</strong></td>
<td>Up to 120 MB/sec native</td>
</tr>
</tbody>
</table>
| **Recommended LTO 4 Tape Cartridges** | IBM System Storage LTO Ultrium 800 GB Data Cartridge (95P4436)  
|                          | IBM System Storage LTO Ultrium 800 GB WORM Cartridge (95P4450) |
| **Cleaning cartridge**   | IBM System Storage LTO Cleaning Cartridge (P/N 35L2086) |
| **Weight**               | 4.3 kg (9.4 lb) |
| **Power requirements**   | 1.0 - 0.5 A at 100 - 240 V ac, 50/60 Hz |
| **Dimensions**           | 21.3 cm W × 5.8 cm H × 33.2 cm D (8.4 in. × 2.3 in. × 13.1 in.) |
| **Warranty**             | Three-year Customer Replaceable Unit (CRU) in most countries |
For more information
To learn more about the IBM System Storage TS2240 Tape Drive Express Model H4V, please contact your IBM representative or IBM Business Partner, or visit: ibm.com/systems/storage/tape/lto

Additionally, IBM Global Financing can tailor financing solutions to your specific IT needs. For more information on great rates, flexible payment plans and loans, and asset buyback and disposal, visit: ibm.com/financing

© Copyright IBM Corporation 2010
IBM Systems and Technology Group
Route 100
Somers, New York 10589
Produced in the United States of America
November 2010
All Rights Reserved

IBM, the IBM logo, ibm.com and System Storage are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both. These and other IBM trademarked terms are marked on their first occurrence in this information with the appropriate symbol (® or ™), indicating US 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 ibm.com/legal/copytrade.shtml

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.

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, 1,000,000,000,000,000,000, 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.

Please Recycle