

Large-capacity, high-performance tape backup for critical data.



## IBM System Storage TS3100 Tape Library Express Model



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### Highlights

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- **Designed to support the new IBM LTO™ Ultrium™ 3 Tape Drive, to help increase capacity and performance, including 4-Gbps Fibre Channel attachment and Low Voltage Differential (LVD) SCSI attachment**
- **Designed to offer outstanding capacity, performance and reliability for midrange and network tape-storage environments in a 2U form factor with the 22 data-cartridge slots and a dedicated mail slot**
- **Remote library management through a standard Web interface supports flexibility and greater administrative control of storage operations**
- **Designed to support cost-effective backup, save and restore, and archival storage in sequential or random access mode with a standard bar-code reader**
- **Ultrium 3 native physical data capacities up to 8.8TB (up to 17.6TB using 2:1 compression) with the 22 data-cartridge slots, and the use of LTO Ultrium 3 Tape Drive with a native data rate of up to 80 MBps**

The IBM System Storage™ TS3100 Tape Library Express Model and its storage management applications are designed to address capacity, performance, data protection, reliability, availability, affordability and application requirements. It is designed as a functionally rich, entry tape-storage solution incorporating LTO Ultrium tape technology. The IBM TS3100 Express model is an excellent solution for large-capacity or high-performance tape backup with or without random access. The TS3100 is also an excellent choice for tape automation for IBM System p™, IBM RS/6000®, IBM System i™, IBM AS/400®, IBM xSeries®, and other open systems.

The IBM TS3100 Tape Library Express is well-suited for handling backup, save and restore, and archival data-storage needs for small to medium-size environments. With its single Ultrium 3 Tape Drive and 22 tape-cartridge capacity,

the IBM TS3100 model is designed to leverage LTO technology to cost effectively handle growing storage requirements. The TS3100 Tape Library is configured with two removable cartridge magazines, one on the left side (10 data-cartridge slots) and one on the right (12 data-cartridge slots). Additionally, the left magazine includes a single, dedicated mail slot to help support continuous library operation while importing/exporting media. A barcode reader is standard in the library, supporting the library's operation in sequential or random access mode. The TS3100 also comes standard with remote management capabilities to allow for remote administration of the tape library through a Web interface.

The new IBM Ultrium 3 drive has more than double the drive throughput of the second-generation LTO Ultrium Tape Drives and up to more than four times the throughput of the first-generation drive. The IBM LTO Ultrium 3 Tape Drives are designed to support up to 80-MBps native data-transfer rates. In addition, with the use of the new IBM TotalStorage® LTO Ultrium 400GB Data Cartridge, the IBM Ultrium 3 Tape Drive doubles tape-cartridge physical capacity up to 400GB native physical capacity (800GB with a 2:1 compression), providing an IBM TS3100 Tape Library capacity of up to 17.6TB with a 2:1 compression or 8.8TB native. The IBM Ultrium 3 Tape Drives are designed to read and write second-generation LTO Ultrium data cartridges and read LTO Ultrium 1 data cartridges with improved data

rates of up to 20-MBps native data-transfer rate (40 MBps with 2:1 compression). As storage needs grow, you can build on this storage investment by moving to higher capacity and performance automated libraries employing the new IBM Ultrium 3 Tape Drive technology.

The IBM TS3100 Tape Library Express features Low Voltage Differential (LVD) SCSI or native switched, 4-Gbps Fibre-Channel drive interfaces and can attach to a wide variety of open system servers. The sequential or random access library comes in a stand-alone base configuration with the option of an industry-standard 19-inch rack mount kit. The IBM TS3100 also has an LCD display and indicators for power, drive and activity, error status, and message information.

## IBM System Storage TS3100 Tape Library Express Model at a glance

<b>Drive options</b>	Ultrium 3: LVD SCSI—FC (8043); 4 Gbps Fibre Channel—FC(8044)
<b>Available Models:</b>	3573 L2U 3573L3S (Express Seller model, PN) includes IBM LTO Ultrium 3 LVD Ultra160 attach, SCSI tape drive, rack mount kit 3573F3S (Express Seller model, PN) includes IBM LTO Ultrium 3 four Gbps Fibre Channel tape drive, rack mount kit
<b>Optional feature codes</b>	
Rack mount	7002
Right-side magazine set	8106
<b>Tape drive type</b>	IBM LTO Ultrium 3
<b>Number of drives</b>	1
<b>Number of tape cartridges</b>	22
<b>Number of mail slots</b>	1
<b>Physical capacity</b>	Up to 800GB per cartridge compressed; 400GB native Up to 17.6TB per tape library compressed; 8.8TB native
<b>Data transfer rate</b>	Up to 80 MBps native with LTO Ultrium 3
<b>Dimensions (W x H x D)</b>	
Stand alone	17.6 in (447.5 mm) x 3.84 in (97.6 mm) x 31.9 in (810 mm)
Rack mount	17.6 in (447.5 mm) x 3.44 in (87.6 mm) x 29.13 in (740 mm)
Weight	33 lb (15kg)
<b>Operating Environment</b>	
Temperature	54 to 95 degrees F, 12 to 35 degrees C
Relative humidity	20% RH to 80% RH (non-condensing)
Electrical power	1.3 amps at 100V ac, 0.7 amps at 240V ac
<b>Attachment and systems support</b>	The TS3100 features LVD Ultra160 and 4-Gbps Fibre Channel interfaces, attaching to IBM System p, IBM System i, IBM xSeries, RS/6000 SP, AS/400, and IBM Netfinity® systems, and non-IBM servers, workstations and personal computers
<b>Operating Systems support</b>	Native device-driver support is available for AIX®, OS/400®, i5/OS™, Windows® 2000, Windows Server™ 2003, Sun Solaris, HP-UX, Red Hat and United Linux®.

## For more information

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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. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

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