Quantum LTO Tape Drive: Now with DATASTOR Shield Deduplication Software

Quantum’s LTO stand-alone drives deliver a simple, affordable, all-in-one data protection solution that customers can depend on. Many companies can store all their data on a single cartridge, thanks to the tremendous capacity LTO technology provides. In addition, companies can keep this data secure using AES 256-bit encryption as tapes are transported off-site for disaster recovery or long-term archiving. Quantum’s LTO tape drives are WORM capable, allowing companies from healthcare, financial, and other related industries to meet tough regulatory requirements. LTO technology offers backward read and write capability, providing an archive tape recovery solution with newer-generation drives.

Linear Tape File System (LTFS) software allows customers to simply drag and drop files to Quantum LTO tape drives as they would to a hard drive. This eliminates the need for backup software and allows the information written on tape to be exchanged easily between different users, operating systems, and software. This is highly beneficial for many applications—including media and entertainment, video and imaging, long-term archiving, among others—where removing the dependence on a proprietary format is important. LTFS is compatible with Windows, Linux, and Apple Mac operating systems.

Quantum tape drives now include DATASTOR Shield™ backup software with deduplication to supercharge your backup. Quantum and DATASTOR have teamed up to provide the first backup with deduplication straight to tape. This technology, which reduces backups significantly (up to 20x), allows you to store more data per tape than competitive models.

*Assumes 2.5:1 compression for LTO-6, LTO-7, and LTO-8; 2:1 for LTO-5; 20:1 deduplication for DATASTOR Shield.
TECHNICAL SPECIFICATIONS

DRIVE CAPACITY AND PERFORMANCE

<table>
<thead>
<tr>
<th>Drive Type</th>
<th>Media Type</th>
<th>Cartridge Capacity</th>
<th>Drive Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTO-8</td>
<td>LTO-8 (L8)</td>
<td>12.0 / 30.0 / 240.0</td>
<td>300 / 750 / 6,000</td>
</tr>
<tr>
<td>LTO-7</td>
<td>LTO-7 (L7)</td>
<td>9.0 / 22.5 / 180.0</td>
<td>300 / 750 / 6,000</td>
</tr>
<tr>
<td>LTO-6</td>
<td>LTO-6 (L6)</td>
<td>6.0 / 15.0 / 120.0</td>
<td>300 / 750 / 6,000</td>
</tr>
<tr>
<td></td>
<td>LTO-6 (L6)</td>
<td>2.5 / 6.25 / 50.0</td>
<td>160 / 400 / 3,200</td>
</tr>
</tbody>
</table>

Configurations:
- Internal bare, internal kit, tabletop kit, and 1U rack mount

Interface Connector Type:
- 6 Gb/sec SAS
- SAS (maximum) 600
- Data Buffer Size:
  - LTO-8, LTO-7: 1 GB
  - LTO-6: 512 MB

BACKUP SOFTWARE

Included Software:
- DATASTOR Shield Single-Server Backup

Deduplication Rate:
- 20:1 (typical)

Software Compatibility:
- Windows Only

Backup Methods:
- Yes to multiple servers, SQL, Exchange, SharePoint, Bare Metal, Cloud, and other functionality

TAPE FORMAT

Format:
- LTO Ultrium 8, LTO Ultrium 7, LTO Ultrium 6, LTO Ultrium 5
- Recording Density:
  - LTO-8: 20.579 KB/mm
  - LTO-7: 19.107 KB/mm
  - LTO-6, LTO-5: 15.143 KB/mm
- Encoding Method:
  - LTO-8, LTO-7: 32 Channel 32/33 RLL
  - LTO-6, LTO-5: 16 Channel 32/33 RLL NPML
- Data Compression:
  - LTO-8, LTO-7, LTO-6: 2.5:1

COMPATIBILITY

Operating Systems:
- Microsoft Windows, Red Hat Linux, SUSE Linux, Mac OS

Software/Hardware:
- For the most up-to-date tested solutions, visit www.quantum.com

TAPE

Cartridge Dimensions (L x W x H):
- 4 in × 4.15 in × .85 in
- 102 mm × 105.4 mm × 21.5 mm

Archive Storage:
- 30 years

Durability:
- 20,000 load/unload cycles

WARRANTY

Tape:
- Limited lifetime

Tape Drive:
- 3 years limited with Rapid Exchange

*Assumes 2.5:1 compression for LTO-8, LTO-7, and LTO-6; 20:1 deduplication for DATASTOR Shield.