As data continues to grow, and cyber threats continue to escalate, organizations need a simple and dependable way to keep data protected. Quantum’s LTO tape drives are an ideal solution for backing up small data sets to tape and are available in a variety of form factors to help you store, manage, and protect your data.

Tape is a Key Part of a Comprehensive Data Protection Strategy
Back ing up data using the backup best practice rule such as 3-2-1-1 – 3 copies of your data, in 2 different forms of media, 1 copy offsite (cloud) and 1 copy offline (on-prem tape) – is crucial for every organization, no matter what the size of the budget or the IT staff is. Quantum offers LTO-9, LTO-8, and LTO-7 tape drives in a half-height form factor, and every tape drive sold includes DATASTOR backup software with deduplication to provide a complete backup solution.

Quantum LTO Tape Drives
Provide a Simple, Reliable Solution
Quantum LTO Tape Drives deliver fast, reliable data protection at an affordable price. They offer backup speeds up to 750 MB/sec* and when paired with an LTO-9 cartridge, you can store up to 45 TB* (compressed) of data on a single cartridge gaining more than 50% storage capacity in the same footprint. Quantum’s LTO cartridges or any LTO media, provide easily transportable backup storage for DR protection, and their AES 256-bit encryption makes sure that no one else can access, delete, or encrypt your data. The WORM-cartridge option provides an even higher level of security.

*Assumes 2.5:1 compression for LTO-9, LTO-8, and LTO-7, 20:1 deduplication for DATASTOR Shield
# LTO Tape Drives | Technical Specifications

## QUANTUM LTO TAPE DRIVE OFFERINGS AND OPTIONS

<table>
<thead>
<tr>
<th>Form Factor</th>
<th>Tablettop</th>
<th>1U Rackmount</th>
<th>Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (n/mm)</td>
<td>8.4 / 213</td>
<td>18.7 / 480</td>
<td>5.72 / 146</td>
</tr>
<tr>
<td>Width</td>
<td>2.3 / 58</td>
<td>17.4 / 438</td>
<td>1.6 / 41</td>
</tr>
<tr>
<td>Height</td>
<td>13.1 / 322</td>
<td>17.4 / 438</td>
<td>8.07 / 205</td>
</tr>
<tr>
<td>Weight (lb/kg)</td>
<td>9.4 / 4.3</td>
<td>14.2 / 6.4</td>
<td>3.55 / 1.61</td>
</tr>
<tr>
<td>LTO Drive Type Offered</td>
<td>LTO-9 HH</td>
<td>LTO-9 HH</td>
<td>LTO-9 HH</td>
</tr>
<tr>
<td></td>
<td>LTO-8 HH</td>
<td>LTO-8 HH</td>
<td>LTO-8 HH</td>
</tr>
<tr>
<td></td>
<td>LTO-7 HH</td>
<td>LTO-7 HH</td>
<td>LTO-7 HH</td>
</tr>
</tbody>
</table>

## LTO TAPE DRIVE SPECIFICATIONS

### Drive Generation
- **LTO-9 HH Tape Drives**
- **LTO-7 HH Tape Drives**
- **LTO-7 HH Tape Drives**

<table>
<thead>
<tr>
<th>Media Compatibility</th>
<th>Read/Write to LTO-9 and LTO-8 media</th>
<th>Read/Write to LTO-8, LTO-7 M8 and LTO-7 media</th>
<th>Read/Write to LTO-7 and LTO-6 media, read from LTO-5 media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectivity</td>
<td>52 Go SAS</td>
<td>6 Go SAS</td>
<td>6 Go SAS</td>
</tr>
<tr>
<td>Sustained Transfer Rate, Native</td>
<td>300 MB/s</td>
<td>300 MB/s</td>
<td>300 MB/s</td>
</tr>
<tr>
<td>Burst Transfer Rate</td>
<td>1,200 MB/s</td>
<td>600 MB/s</td>
<td>600 MB/s</td>
</tr>
</tbody>
</table>

## LTO MEDIA SPECIFICATIONS

### Media Type
- **LTO-9**
- **LTO-8**
- **LTO-7 M8**
- **LTO-7**

| Capacity (Raw / Compressed) | 18 / 45 TB | 9 / 22.5 TB | 6 / 15 TB |

### Burst Transfer Rate
- **Assumes 2.5:1 compression.**

### Sustained Transfer Rate
- **LTO-9, LTO-8, LTO-7 M8, LTO-7:**
- **Native Transfer Rate:**

## SAFETY STANDARDS AND COMPLIANCE CERTIFICATION

### Tabletop
- **Safety Standards:**
- **Immunity Standards:**

### Internal (Rack Mounted)
- **Safety Standards:**
- **Immunity Standards:**

## OPERATIONAL/STORAGE ENVIRONMENTAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Environmental Factor</th>
<th>Recommended</th>
<th>Allowable</th>
<th>Shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dry-Bulb Temperature</strong></td>
<td>LTO-6, LTO-7, LTO-9: 15 to 25 °C (60 to 77 °F)</td>
<td>LTO-6, LTO-7, LTO-9: 15 to 35 °C (59 to 95 °F)</td>
<td>-23 to 49 °C (-10 to 120 °F)</td>
</tr>
<tr>
<td><strong>Relative Humidity</strong></td>
<td>20 to 50% (non-condensing)</td>
<td>20 to 80% (non-condensing)</td>
<td>5 to 80% (non-condensing)</td>
</tr>
<tr>
<td><strong>Maximum Temperature Change</strong></td>
<td>5 °C/hour</td>
<td>5 °C/hour</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Maximum Humidity Change</strong></td>
<td>5% / hour</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

### Temperature Limitation for Humidity Conditions
- **LTO-6, LTO-7, LTO-9:**
- **Wet Bulb Temperature:**

### Maximum Altitude
- **LTO-9:**
- **LTO-8:**
- **LTO-7:**

## BACKUP SOFTWARE

- **Included Software:**
- **Options:**

## SOFTWARE COMPATIBILITY

- **Operating Systems:**

## DATASTORAGE

- **Drive Generation:**

## Datashell

- **Version:**

---

Quantum technology, software, and services provide the solutions that today’s organizations need to make video and unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum’s end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

©2022 Quantum Corporation. All rights reserved. Quantum and the Quantum logo are registered trademarks of Quantum Corporation and its affiliates in the United States and/or other countries. All other trademarks are the property of their respective owners.

www.quantum.com | 800-677-6268

DS00457A-v10 Feb 2022