



FEATURES AND BENEFITS

- **Superior Manageability** - Communicates status to the user through DLTSage, Quantum's industry-unique drive management system.
- **Enterprise-ready** - 2Gb optical Fibre Channel interface supports all common networking topologies.
- **Superior Capacity** - Highest DLTtape storage capacity: 300 GB native (600 GB compressed).
- **Superior Reliability** - Tested to 250,000 hours MTBF at 100% duty cycle.

A New Landscape of Improved Manageability, Enhanced Reliability, and Superior Performance

The new Quantum SDLT 600 is the first tape drive designed to take full advantage of DLTSage™, a revolutionary new data management offering. IT professionals are now empowered to better manage, predict and proactively prevent storage system errors.

The SDLT 600, the third generation super drive from DLTtape™ Technology, incorporates a host of technical improvements, making it the most advanced super drive available today. Not only is it the largest capacity Super Drive, it also boasts the fastest native transfer rate and uses media that delivers the lowest cost per gigabyte available today.

The SDLT 600 is the choice in enterprise tape storage systems with its 2Gb optical Fibre Channel interface and enterprise-class reliability. The SDLT 600 delivers IT professionals the ultimate power of knowing – knowing data is safe, protected and available.

Winning Performance

The SDLT 600 boasts a native capacity of 300 GB (600 GB compressed*) and delivers native transfer rates of up to 36 MB/s, making it capable of restoring a complete MS Exchange Information Store in under four minutes!

Improved Manageability

With its implementation of DLTSage, the SDLT 600 delivers predictive and preventative maintenance diagnostic offerings that will enable customers to more simply manage their tape storage environments.

From a desktop or a handheld device, IT professionals can obtain status and history for both drive and media.

Enhanced Reliability

Designed and tested extensively for automation environments, the SDLT 600 delivers new levels of reliability.

Compatible Growth

As with previous generations of DLTtape technology, the SDLT 600 protects prior DLTtape investments by reading information stored on Super DLTtape I and DLTtape VS1 cartridges.

*Assumes 2:1 compression



SDLT 600 SPECIFICATIONS

<p>Performance</p> <p>Sustained Transfer Rate (MB/sec)</p> <p>Native 36</p> <p>Compressed 72 (2:1 ratio)</p> <p>Burst Transfer Rate (MB/sec)</p> <p>Ultra 160 (max) 160</p> <p>Fibre Channel (max) 200</p> <p>Formatted Capacity (GB)</p> <p>Native 300</p> <p>Compressed 600</p> <p>Cartridge Load Times (sec)</p> <p>To BOT (formatted) 12</p> <p>To BOT (unformatted) 40</p> <p>Average File Access Time (sec) 79</p> <p>Interfaces Available</p> <p>LVD ULTRA</p> <p>160 SCSI</p> <p>2Gb Fibre Channel</p> <p>Tape Format Specifications</p> <p>Recording Format 640 track serial serpentine</p> <p>Recording Density 233 k bits per inch</p> <p>Track Density 1490 tracks per inch</p> <p>Encoding Method Partial Response Maximum Likelihood (PRML)</p> <p>Data Compression DLZ</p> <p>Manageability</p> <p>DLTSage Full</p> <p>DLTSage xTalk Cross-platform interface</p> <p>Windows</p> <p>HP-UX</p> <p>Solaris</p> <p>Linux</p> <p>DLTSage iTalk Infrared interface</p> <p>Windows</p> <p>Windows CE</p> <p>Reliability</p> <p>MTBF (hours) 250,000 @ 100% duty cycle</p> <p>Media Durability 1,000,000 passes</p> <p>Uncorrected Error Rate 1 x 10¹⁷ bits read</p> <p>Undetected Error Rate 1 x 10²⁷ bits read</p> <p>Warranty (years) 3</p>	<p>Physical Specifications</p> <p>Dimensions— inches (mm)</p> <p>Embedded Drive</p> <p>Width 5.75 (146.05)</p> <p>Depth 8.48 (215.39)</p> <p>Height 3.25 (82.55)</p> <p>Weight— pounds (kg) 5 lbs 4 oz (2.38)</p> <p>Table Top Drive</p> <p>Width 6.88 (174.75)</p> <p>Depth 12.6 (320.04)</p> <p>Height 6.48 (164.46)</p> <p>Weight*— pounds (kg) 13 lbs 13 oz (6.27)</p> <p>Environmental Limits</p> <p>Operating</p> <p>Temperature °F (°C) 50 to 104 (10 to 40)</p> <p>Non-Condensing Humidity (%) 20 to 80</p> <p>Altitude (ft. maximum) -500 to 30,000</p> <p>Non-Operating</p> <p>Temperature °F (°C) -40 to 151 (-40 to 66)</p> <p>excluding media</p> <p>Non-Condensing Humidity (%) 10 to 95</p> <p>Power</p> <p>Voltage (V) +5, +12</p> <p>Power Consumption (W) 32 W typical streaming/writing</p> <p>Media/Format Compatibility</p> <p>Super DLTtape™ II (read/write) 300 GB native capacity</p> <p>Super DLTtape™ I (read only) 160 GB native capacity</p> <p>DLTtape™ VS1 (read only) 80 GB native capacity</p> <p>Media Specifications</p> <p>Tape Width 0.498" (12.65mm)</p> <p>Tape Length 1,957' (596.5 m)</p> <p>Cartridge Dimensions 4.1" x 4.1" x 1.0" (104.1mm x 104.1mm x 25.4mm)</p> <p>Archive Storage</p> <p>More than 30 years with less than 10% loss in demagnetization at 20° C and 40% non-condensing humidity</p> <p>Durability</p> <p>Average 1,000,000 head passes in a typical office/computing environment</p> <p>Warranty</p> <p>Limited lifetime warranty, approved for use in all Super DLTtape drives</p> <p><small>*Weights depend on configuration</small></p>
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For more information, visit quantum.com

Corporate Headquarters
 1650 Technology Drive, Suite 800
 San Jose, CA 95110 U.S.A.