



LTO-4 HH SCSI

High Performance. Half the Size.
Incredible Value.

Quantum's LTO-4 HH SCSI tape drive is a half-height tape drive that offers high capacity, 1.6TB (2:1 compressed) and performance, 576GB/hr (2:1 compressed), all in a space saving and energy efficient half-height format. Quantum's LTO-4 HH SCSI tape drive also provides native AES 256-bit hardware data encryption, providing easy-to-enable security to protect the most sensitive data and prevent unauthorised access of tape cartridges. By using LTO-4 encryption, not only is data fully capable of being compressed therefore maximising capacity, encrypted backups are completed without a loss in performance.

Quantum's LTO-4 HH tape drives protect your investment by providing backward read and write compatibility with LTO-3 media and backward read compatibility with LTO-2 media. With ultimate reliability and ease of use in mind, even at a 100% duty cycle, Quantum's rugged design builds on superior LTO technology and adds advanced features to create a new level of data protection. Quantum's LTO-4 HH SCSI tape drives employ dynamic data rate matching to adjust to the speed of the host, reducing wear and tear on both drive and media and increasing performance, even on slower hosts. The drive also features an ultra-durable soft-load feature that automatically positions the data cartridge, and the highly reliable leader-capture mechanism virtually eliminates lost leaders, increasing the success of your backup and restore operations.

Quantum's LTO-4 HH SCSI is available in a server-installable internal, convenient tabletop or space-efficient rackmount configuration. Quantum "Backup Ready" certified solutions allow you to go from box-to-backup in minutes with the highly reliable Quantum LTO-4 HH tape drive, world-class Backup Exec™ QuickStart software and durable Quantum media.

TAPE DRIVE

UP TO 1.6TB CAPACITY
(2:1 COMPRESSION)

UP TO 576GB/HR TRANSFER RATE (2:1)

AES 256-BIT DATA ENCRYPTION
SECURITY FEATURE

'BACKUP READY' SOLUTION WITH
3-YEAR RAPID EXCHANGE WARRANTY

FEATURES AND BENEFITS

- **Performance** – Transfer rates of 576GB/hr
- **Capacity** – Capacity of 1.6TB – 2X LTO-3 HH and the same as the full height LTO-4
- **Value** – Cost-effective half-height design allows for more attractive price point versus full-height drives
- **Format/Security** – Space-saving half-height format, AES 256-bit native encryption, WORM capability
- **Compatibility** – Investment protection with backward read/write compatibility to LTO-3 media and backward read compatibility to LTO-2 media

CAPACITY

800GB native, typically 1.6TB with hardware data compression (2:1)

RECORDING FORMAT

Logical recording format: LTO Ultrium 4, LTO Ultrium 3 and LTO Ultrium 2 (read)
Recording technology: 16 channel PRML linear serpentine recording on half-inch tape media

PERFORMANCE

Data compression: LTO-DC dual mode compression (enhanced version of ALDC)
Memory buffer: 128MB
Data rate matching: Dynamically variable adaptive tape speed to match host data rate from 33-80MB/sec (native)
Interface: Ultra 320 SCSI (LVD)
Sustained transfer rate: Up to 80MB/sec native (288GB/hr)
Up to 160MB/sec compressed (576GB/hr)
Burst transfer rate: 320 MB/s
Data access speed: 85 seconds typical from beginning of media
Tape Speed: 9.3 meters per second (rewind speed)

MEDIA

LTO Ultrium 4 1.6TB (compressed) data cartridge

RELIABILITY

MTFB: 250,000 hours at 100% duty cycle
Corrected error rate: 1 in 1×10^{17} bits read
Loading mechanism: Powered load with precision eject
Head life: 60,000 hours

POWER REQUIREMENTS

Idle: 23 Watts
Typical: 23 Watts
Maximum: 49 Watts
Power supply/required (int): 5V DC, 1.6A; 12V, 0.13A

TEMPERATURE

Temperature range:
Operating: 50° F to 95° F (10° C to 40° C) at a minimum of 5CFM airflow
Storage: -40° F to 151° F (-40° C to 66° C)
Non-condensing humidity range:
Operating: 20 to 80% RH (non-condensing)
Storage: 10 to 95% RH (non-condensing)

STANDARDS COMPLIANCE

CSA Certification to C22.2, No.60950 (cCSAus), TÜV EN60950 (IEC 60950), CE Declaration of Conformity, FCC 47 CFR Parts 15, NOM, VCCI, C-TICK, RRL, BSMI, GOSH CB Certificate and Report (IEC 60950)

PHYSICAL CHARACTERISTICS

Form factor: 5.25-inch wide, half-height
Dimensions (H × W × D): 1.6 × 5.7 × 8.1 inches (4.1 × 14.5 × 20.6 cm)
Weight: 3.7 lbs (1.7 KG)

Model Numbers and Descriptions

TC-L42AX-BR-B LTO-4 HH, Internal Bare, SCSI, black bezel
TC-L42AX-EY-B LTO-4 HH, Internal Kit, SCSI, black bezel
TC-L42BX-EY-B LTO-4 HH, Tabletop Kit, SCSI, black
TC-L43CX-EY-B LTO-4 HH, 1U Rackmount, SCSI, black

For contact and product information, visit quantum.com

Quantum®

Preserving the World's Most Important Data. Yours.

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specialising in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organisation. This includes the DXi®-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.