



DLT-S4 Tape Drive

Industry-Leading Capacity with
Built-In Manageability

The DLT-S4 offers 1.6TB* of capacity – twice the capacity at the same price of any other performance drive in the market including LTO-3, making it a groundbreaking value. Imagine backing up remote offices or workgroups onto a single cartridge. The DLT-S4 makes it possible with the highest tape drive capacity ever, which means 50 percent fewer cartridges to manage than other performance drives. And with advanced manageability and security features built in at no additional cost, the DLT-S4 is a choice you can make with confidence. This drive's capacity and management features make it an unbeatable solution for your tiered storage environment.

The DLT-S4 comes with DLTSage manageability and security features that focus on your needs. These award-winning features include:

- DLTSage Monitoring for proactive health checks
- DLTSage Diagnostics for an easy-to-use toolbox of drive and media tests and statistics
- DLTSage WORM (Write Once, Read Many) for archival functionality on standard media
- DLTSage Tape Security for the ability to create electronic keys to prevent unauthorized access to data

UP TO 1.6TB* CAPACITY

UP TO A 532GB/HR* TRANSFER RATE

"BACKUP READY" SOLUTION

3 YEAR RAPID EXCHANGE WARRANTY

FEATURES AND BENEFITS

- Unprecedented Capacity – The highest capacity tape drive available today at 1.6TB*, saving time and money with 50% less tape cartridges to manage
- Highly Reliable – Built on market-proven DLT® Technology with over 3.3 million drives and 130 million cartridges shipped
- Exclusive Management Features - DLTSage™ Monitoring, Diagnostics and Reporting for easy manageability of your data
- Unparalleled Tape Security - DLTSage Tape Security makes the DLT-S4 the only tape product that protects data if the media is lost or stolen
- Cost-Effective - Twice the capacity of current drives delivers the lowest cost-per-gigabyte storage available in the market
- Investment Protection - Backward compatible to SDLT 600 and SDLT 320 tape drives
- Highest Density - Optimized for tiered storage and delivers the highest density tape automation available

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity Native/Compressed* (GB)	Drive Throughput Native/Compressed* (MB/sec)	Data Buffer (MB)	File Access Time (sec)
DLT-S4	800 / 1,600	60 / 120	256	66

Interfaces: Ultra 320 SCSI / 4Gb Fibre Channel in tape automation

Cartridge Load Times (sec)

To BOT (formatted):	20
To BOT (unformatted):	65

Burst Transfer Rate

Native:	320MB/sec (max)
Compressed:	400MB/sec (max)

* Assumes 2:1 compression

COMPATIBILITY

DLTtape® S4 media:	(read/write) 800 GB native capacity
Super DLTtape® II media:	(read) 300GB native capacity
Super DLTtape® I media:	(read) 160GB native capacity
Cleaning Tape:	SDLT Cleaning Tape
Software/Hardware:	Go to www.quantum.com for the most up-to-date tested solutions

RELIABILITY

MTBF (hours):	250,000 @ 100% duty cycle
Media Durability:	5,000 load/unload/calibrates
Uncorrected Error Rate:	1 x 10 ¹⁷ bits read
Undetected Error Rate:	1 x 10 ²⁷ bits read
Warranty:	3 years limited with Rapid Exchange

PHYSICAL SPECIFICATIONS

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	5.75 / 146.05	6.88 / 174.75	16.8 / 426.7
Height (in/mm)	3.25 / 82.55	6.48 / 164.59	3.4 / 86.36
Length (in/mm)	8.37 / 212.6	12.6 / 320.04	22.4 / 568.9
Weight (lbs/kg)	5.25 / 2.38	13.81 / 6.27	54 / 24.5

ENVIRONMENTAL

Operating	
Temperature:	50° to 104° F (10° to 40° C)
Humidity:	20% to 80% (non-condensing)
Altitude:	-500ft. to 30,000 ft. (-152.4 m to 9,144 m)
Non-Operating	
Temperature*:	-40° to 151° F (-40° to 66° C) * Excluding media
Humidity:	10% to 95% (non-condensing)
Voltage:	+5V, +12V
Power Consumption:	30 W typical streaming/writing

MANAGEABILITY

DLTSage Support:	Full
xTalk Management Console:	Cross-platform interface: Windows, HP-UX, Solaris, Linux
DLTSage Tape Security:	Electronic key data protection
DLTSage Dashboard:	Windows

TAPE/FORMAT COMPATIBILITY

Recording Format:	1280 track serial serpentine
Recording Density:	256K bits per inch
Track Density:	2988 tracks/inch
Encoding Method:	Partial Response Maximum Likelihood (PRML)
Data Compression:	DLZ

TAPE SPECIFICATIONS

(Dimensions—inches (mm))	
Width:	4.16" (105.6mm)
Length:	4.15" (105.3mm)
Height:	1.0" (25.4mm)
Weight:	7.85 oz. (222.5 g)
Color:	Black

Media Archive Storage:	>30 years
Media Warranty:	Limited lifetime warranty

WARRANTY

Tape Limited:	Lifetime
Tape Drive:	3 year limited with Rapid Exchange

* Assumes 2:1 compression

Model Numbers and Descriptions

TC-S45AT-BR	DLT-S4 drive, 5.25" Full-height internal, black bezel
TC-S45AT-EY	DLT-S4 drive, 5.25" Full-height internal, black bezel
TC-S45BT-EY	DLT-S4 drive, Tabletop kit, black bezel
TC-S45BT-YF	DLT-S4 drive, Tabletop kit, beige bezel
BC-RAXCX-EY	DLT-S4 drive, 2U Rackmount, single drive, black bezel
BC-RAXDX-EY	DLT-S4 drive, 2U Rackmount, dual drives, black bezel

 For contact and product information, visit quantum.com or call 800-677-6268

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About Quantum

Quantum Corp. (NYSE:DSS) is the leading global storage company specializing 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 organization. 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.