



# DLT-V4

Enterprise-Class Features  
Superior Value

The DLT-V4 tape drive delivers enterprise-class features along with an enhanced 320GB\* capacity and a speed of 20MB/sec\* – all at an amazingly affordable price. The DLT-V4 drive ensures vital business data is protected and secure at the lowest cost per gigabyte in its class at just \$0.12/GB.

The DLT-V4 is compatible with an installed base of a half-a-million drives and provides three generations of backward-read compatibility. It uses DLTtape® VS1 media with backward compatibility to the DLT VS160, DLT VS80 and DLT1 tape drives and also has added DLTSage WORM™ archival functionality using standard media. The DLT-V4 easily integrates into today's entry-level servers with a half-height format and your choice of interfaces – SATA II, USB 2.0, eSATA or Ultra 160 SCSI.

The DLT-V4 is equipped with DLTSage™, a suite of intelligent data protection tools that enable you to more effectively manage and protect your tape storage environment. And, for added security, the DLT-V4 now ships standard with DLTSage Tape Security allowing users to create electronic keys to prevent unauthorized access to data on the tape cartridges.

UP TO 320GB\* CAPACITY






UP TO A 20MB/SEC\* TRANSFER RATE

ENHANCED DATA PROTECTION WITH  
DLTSAGE MANAGEMENT TOOLS

"BACKUP READY" SOLUTION

3 YEAR RAPID EXCHANGE WARRANTY

## FEATURES AND BENEFITS

-  A New Level of Performance - 320GB\* capacity and a 20MB/sec\* transfer rate provide outstanding performance
-  Superior Value -The DLT-V4 offers the most competitive cost per gigabyte in its class
-  Investment Protection - Three generations of back-read support for the DLT VS160, DLT VS80, and DLT1 tape drives
-  Enterprise-class Features for the SMB - Superior Manageability with DLTSage™, WORM functionality with DLTSage WORM and tape security protection with DLTSage Tape Security
-  Available in internal, rackmount and tabletop versions

## DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity		Drive Throughput		Data Buffer (MB)	File Access Time (sec)
	Native/Compressed* (GB)		Native/Compressed* (MB/sec)			
DLT-V4	160 / 320		10 / 20		32	84

Interfaces: SATA 1.0 and Ultra 160 SCSI    USB 2.0 (with SATA adapter)

Burst Transfer Rate

Ultra 160 SCSI:	1600MB/sec (max)
SATA 1.0:	150MB/sec (max)
USB 2.0:	60MB/sec (max)

## COMPATIBILITY

**Operating Systems/ Backup Software:** Go to [www.quantum.com/compatibility](http://www.quantum.com/compatibility) for the most up-to-date tested solutions

## RELIABILITY

**MTBF (hours):** 250,000 hours at 100% duty cycle  
**Uncorrected Error Rate:** 1 x 10<sup>17</sup> bits read  
**Undetected Error Rate:** 1 x 10<sup>17</sup> bits read

## PHYSICAL SPECIFICATIONS

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	5.80 / 147.5	8.35 / 212.13	16.7 / 425
Height (in/mm)	1.65 / 41.91	2.61 / 66.24	1.7 / 43.7
Length (in/mm)	8.87 / 225.4	10.73 / 272.54	20 / 508
Weight (lbs/kg)	3.0 / 1.36	7.68 / 3.48	15.5 / 7

## 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)  
**Altitude (ft. maximum):** 30,000 (9,144 m)  
**Voltage (V):** +5/+12 VDC internal, 120/240 VAC external  
**Power Consumption (W):** <14 watts internal, 20 watts external

## TAPE FORMAT SPECIFICATIONS

**Recording Format:** 352 tracks  
**Recording Density:** 219 k bits/inch  
**Encoding Method:** PRML  
**Data Compression:** DLZ  
**DLTSage™:** Full  
**DLTSage xTalk:** Cross-platform interface, Windows, HP-UX, Solaris, UNIX

## TAPE/FORMAT COMPATIBILITY

**DLTtape VS1:** (read/write) 160GB native capacity  
**DLTtape VS1:** (Read Only) 80GB native capacity Media written by VS160  
**DLTtape IV:** (read only, 40GB native capacity VS80 and DLT1)

## TAPE SPECIFICATIONS

**Cartridge Dimensions:** 4.16in x 4.15in x 1in (105.6mm x 105.3mm x 25.4mm)  
**Archive Storage:** 30 years  
**Durability:** up to 200 uses

## WARRANTY

**Tape Limited:** lifetime  
**Tape Drive:** 3 year limited with Rapid Exchange

\*Assumes 2:1 compression

## Model Numbers and Descriptions

**BHBAM-BR** DLT-V4 drive internal bare, SATA, 5.25" black/beige, 320GB\*  
**BHBAM-EY** DLT-V4 drive internal kit, SATA, 5.25" black/beige, 320GB\*  
**BCBAH-BR** DLT-V4 drive internal bare, USB 2.0 to SATA, 5.25" black/beige, 320GB\*  
**BCBAH-EY** DLT-V4 drive internal kit, USB to SATA, 5.25" black/beige, 320GB\*  
**BHBAX-BR** DLT-V4 drive internal bare, Ultra 160 SCSI, 5.25" black/beige, 320GB\*

**BHBAX-EY** DLT-V4 drive internal kit, Ultra 160 SCSI, 5.25" black/beige, 320GB\*  
**BHBBX-EY** DLT-V4 drive tabletop kit, Ultra 160 SCSI, 5.25" black, 320GB\*  
**BCBBH-EY** DLT-V4 drive tabletop kit, USB 2.0/eSATA, black, 320GB\*  
**BHCMX-EY** DLT-V4 single tape drive, 1U rackmount, Ultra 160 SCSI, black, 320GB\*  
**BHCNX-EY** DLT-V4 dual tape drives, 1U rackmount, Ultra 160 SCSI, black, 640GB\*

 For contact and product information, visit [quantum.com](http://quantum.com) or call 800-677-6268

# Quantum®

**Backup. Recovery. Archive. It's What We Do.**

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## About Quantum

Quantum Corp. (NYSE:QTM) 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.