

Quantum DLT® VS160



FEATURES AND BENEFITS

- Outstanding capacity and performance – 160GB compressed* capacity at 16MB/sec compressed* transfer rate
- Compact size – Optimizes space without sacrificing optimal performance or reliability, providing a low-power, server-ready solution
- Optimized for DLTape® VS1 media – Increasing capacity-value with enhanced reliability and durability, all at an industry-leading cost per GB
- DLTape VS1 cartridge – the DLT VS160 tape drive uses DLTape VS1 cartridges
- Complete solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package

Part Number	Product Description
BH2AA-BR	Internal Drive, Ultra 160 SCSI, 5.25" Beige/Black, Bare, 160GB*
BH2AA-EY	Internal Drive, Ultra 160 SCSI, 5.25" Black/Beige, 160GB*
BH2BA-EY	Tabletop Drive, Ultra 160 SCSI, 5.25" Black, 160GB*
BH2BA-YF	Tabletop Drive, Ultra 160 SCSI, 5.25" Beige, 160GB*
BHFCA-EY	Single 1U Rackmount Drive, Ultra 160 SCSI, Black, 160GB*
BHGCA-EY	Dual 1U Rackmount Drives, Ultra 160 SCSI, Black, 320GB*

*Assumes 2:1 Compression

Value and Performance Server Backup and Archive in a Small, Cost Effective Format

Performance, Reliability and Capacity in a Value-priced Tape Drive

The Quantum DLT VS160 extends the Quantum value line of DLT data protection family, pushing all of the smart options that users have come to expect – reliability, value, and space efficiency, making it the performance offering for value servers and the value offering for performance servers.

The DLT VS160 fills the need for capacity and throughput in a DLT solution. It features a half-high form factor and offers 160GB of compressed* capacity and an 8MB/sec compressed* transfer rate. The DLT VS160 uses Quantum DLTape VS1 media, increasing capacity-value with enhanced reliability and durability, all at an industry-leading cost per GB.

Easy Integration

For maximum ease-of-installation, the DLT VS160 is compatible with virtually all popular backup software packages, enabling straightforward integration with new and existing networks and systems. For a complete list of application software packages and hardware platforms compatible with the Quantum DLT VS160, go to quantum.com.

As part of the most scalable tape format family in the server data protection market, the DLT VS160 is read compatible with Quantum's DLTape IV cartridges written on DLT 1 drives and DLT VS80 drives. Move up to the system that's exceeding the standard of value in DLTape backup.

Broadest Industry Acceptance

DLT Technology is trusted by 98% of Fortune 500® companies!

- Investment protection leader - More than 2 million drives shipped
- More than 100 million DLTape cartridges shipped
- Reliability Leader
- Strongest industry roadmap
- Lowest cost of ownership and cost per GB

"Backup Ready" Solutions

Go from box-to-backup in minutes! Quantum "Backup Ready" certified solutions allow you to go from box-to-backup in minutes with the highly reliable Quantum DLT VS160 tape drive, world-class Backup Exec QuickStart software and durable Quantum media. "Backup Ready" solutions are cost effective, easy to install and fully supported by Quantum. Backup Exec QuickStart is a fully functional server backup and restore software for Microsoft Windows and NetWare. Quantum media cartridges are rigorously tested for reliability and compatibility with Quantum tape drives and deliver the comfort of knowing that everything will work from box-to-backup. Choose the Quantum DLT VS160 tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.

DLTSAGE™

- DLTSage is a suite of intelligent data protection tools that enables you to more effectively manage and protect your storage environment.
- DLT is the only technology available that offers this revolutionary drive management system.

Functionality features of DLTSage vary. See Quantum.com for specifications.



Quantum DLT VS160

About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders and libraries and is one of the pioneers in the disk-based backup market, providing solutions that emulate a tape library but are optimized for backup and recovery.

QUANTUM DLT VS160 SPECIFICATIONS

Performance

Sustained Transfer Rate (MB/sec)	
Native	8MB/sec, 28.8GB/Hr
Compressed*	16MB/sec, 57.6GB/Hr
Burst Transfer Rate (MB/sec)	
Synchronous	160
Formatted Capacity (GB)	
Native	80
Compressed*	160
Average File Access Time (sec)	
Interface	90 (from BOT) Ultra 160 SCSI (Low Voltage Differential)

Compatibility

Media Read/Write	DLTtape VS1, DLTtape IV/DLTtape VS1
Operating Systems	Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS
Backup Software	BakBone, Computer Associates, Dantz, NovaStor, VERITAS and Yosemite Technologies

Reliability

MTBF (hours)	> 250,000 hours at 100% duty cycle
Head Life (hours)	> 30,000 hours
Uncorrected Error Rate	1 x 10 ¹⁷ bits read
Undetected Error Rate	1 x 10 ¹⁷ bits read

Physical Specifications

Form Factor	Internal ¹	Tabletop	Rackmount
Width (in/mm)	5.75/146.05	8.35/212.13	16.75/425.5
Height (in/mm)	1.62/41.70	2.61/66.24	1.73/44
Length (in/mm)	8.50/216.14	10.73/27.49	20.38/517.7
Weight (lbs/kg)	3.0/1.36	7.68/3.48	40/18.1

Environmental Limits

Operating	
Temperature °F (°C)	50° to 104° (10° to 40°)
Non-Condensing Humidity (%)	20 to 80
Altitude (ft. maximum)	30,000 (9,144 m)
Power	
Voltage (V)	+5, +12
Power Consumption (W)	<14 watts (average read/write operation)

Tape Format Specifications

Recording Format	240 tracks
Recording Density	175 k bits/inch
Encoding Method	PRML
Data Compression	DLZ

Tape/Format Compatibility

DLTtape VS1	80GB native capacity
-------------	----------------------

Tape Specifications

Cartridge Dimensions	4.16in x 4.15in x 1in (105.6mm x 105.3mm x 25.4mm)
Archive Storage	30 years
Durability	10,000 load/unload threads

Warranty

Tape	Limited lifetime
Tape Drive	3 year limited with Rapid Exchange

1 Excluding bezel.

* Assumes 2:1 compression

Quantum



For more information,
visit quantum.com

United States of America
Quantum Corporation
141 Innovation Drive
Irvine, CA 92612
U.S.A.
phone 949.856.7800
fax 949.856.7799

European Headquarters
Quantum Corporation
3 Bracknell Beeches
Old Bracknell Lane West
Bracknell
Berkshire RG12 7BW
United Kingdom
phone +44 1344 353500
fax +44 1344 353510

Asia Pacific
Quantum Storage Singapore Pte Ltd
9 Temasek Blvd. #08-03
Suntec Tower Two
Singapore 038989
phone +65 6432 2812
fax +65 6432 2790

©2006 Quantum Corporation. All rights reserved. Quantum, the Quantum logo, DLT, DLTtape and the DLTtape logo are registered trademarks of Quantum Corporation, registered in the U.S., and other countries. The DLT logo, Backup, Recovery, Archive, It's What We Do., DLTsage, Dynamic Powerdown, FastSense, FlexLink, GoVault, MediaShield, Optyon, Pocket-sized, Well-armed, SiteCare, SmartVerify, StorageCare, SiteCare, Super DLTape, and SuperLoader are trademarks of Quantum. LTO and Ultrium are trademarks of HP, IBM and Quantum in the U.S. and other countries. All other trademarks are the property of their respective companies. Specifications are subject to change without notice.

D500241 Mar 2006