



FEATURES AND BENEFITS

- Up to 640GB compressed capacity
- Up to 6MB per second compressed performance
- Utilizes proven DLT VS80 half-high tape drive technology
- Reliable - Tape drive and automation are truly integrated to minimize the number of parts and increase reliability
- Ease of use - Automated cartridge management simplifies user intervention for the import and export of data cartridges
- Eight cartridges rotate in a carousel around the center-mounted tape drive and insert into the drive individually
- Rack optimized for slim spaces - Provides best-of-breed data density when implemented in rack-optimized installations
- Total Value Delivery - Reduces I.T. overhead at a price that's comparable to some stand-alone tape drives

DLTtape™ Automation at the Price of a Stand-Alone Tape Drive

The Quantum ValueLoader is a significant advancement in automation innovation, a reassuring extension of the industry-standard DLTtape technology but a revolutionary development in tape automation.

- First 2-Unit high DLTtape autoloader
- Truly integrated drive and automation for increased reliability.
- First automation product to utilize the industry-first Quantum DLT VS80 half-high tape drive.
- First rack-optimized DLTtape autoloader

Total Value Delivery

Users small and large rely on automation because it reduces I.T. overhead, offers increases in capacity over stand-alone tape drives, provides random access to several cartridges, and eliminates human intervention - the number one cause of data loss. The ValueLoader provides all of these benefits at a price that is comparable to some stand-alone tape drives! This is an unparalleled value for reliable industry-standard DLTtape automation.

Rack Optimized for Slim Spaces

Data center space in computer environments has been filling up at an unprecedented rate. The industry has moved toward efficient footprints for servers and storage. Data protection is following that trend by replacing stand-alone "shoehorn" solutions that add cost and installation complexity. The ValueLoader is the next step toward greater density in computer environments. The combination of the high capacity provided by the industry's only half-high DLTtape drive and the new 2U autoloader provides best-of-breed data

density when implemented in rack-optimized installations.

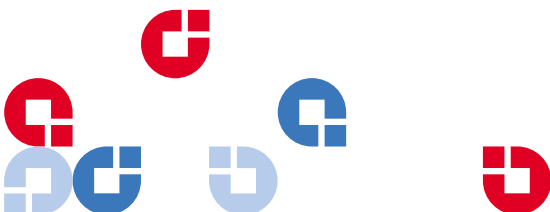
Easy and Reliable

Even the most inexperienced user can operate the ValueLoader because it displays the following features:

- **Simple User Interface** – The ValueLoader uses an LCD display to operate the loader so that it is like any accessorized drive with a natural language menu-driven interface
- **Simple Cartridge Management** – The ValueLoader features automated cartridge management for import and export of data cartridges. Users are presented with cartridges for export and prompted for import.
- **Optimal Backup Configuration** – Only one drive and eight cartridges. The DLT VS80 drive is truly integrated into the ValueLoader architecture. The eight DLTtape™ cartridges orbit in a carousel around the center-mounted DLT VS80 and insert into the drive individually. There is a slot for each day of the week and an additional slot that could be used for a Quantum DLT1 CleaningTape or additional capacity.

The Sensible Solution

I.T. managers demand rapid deployment, cost-effect platforms and improved manageability for modular data centers. Valuable time or precious data center space cannot be wasted. The ValueLoader is the groundbreaking yet sensible solution to the data explosion storage dilemma.



StorageCare Product Warranty and Services

A one-year Rapid Exchange warranty is included with the ATL ValueLoader product. Under the Rapid Exchange program, Quantum will ship a replacement product or part to the end-user's site before the defective product or part is returned to Quantum. The replacement product or part will be shipped within 24 hours (Monday-Friday, 8AM-5PM, local time, excluding Quantum or country holidays) after the request. The Rapid Exchange warranty also entitles the customer to one-year hardware telephone support and access to StorageCare's library eSupport Web application. In addition, Quantum offers a variety of StorageCare product installation, integration, on-site service and support options to complement your ATL ValueLoader.

ATL VALUELOADER SPECIFICATIONS

Featured Drive		DLT VS80		Environmental Limits	
		Native	Compressed ¹	Operating	
Capacity (GB)	320	320	640	Temperature F (C)	50 to 104 (10 to 40)
Sustained Transfer Rate (MB/sec)	3.0	3.0	6.0	Non-condensing Humidity	20% to 80%
Burst Transfer Rate	20MB/sec			Non-operating	
Interface	Wide Ultra SCSI-2			Temperature F (C)	-40 to 140 deg F (-40 to 60 deg C)
	Low-Voltage Differential (LVD)			Humidity	20% to 80%
Operation				Power Specifications	
Cartridge Loading	Single front loading slot (import port)			Power Requirements	96-264 VAC auto-ranging, 47-63 Hz
Access Mode	Sequential and random cartridge access			Voltage (DC)	+5v, +12v
Reliability Specifications				Power Consumption	45 watts
MCBF	>250,000 cycles ²			Media/Format Compatibility	
MTBF	>100,000 hours			Quantum DLTtape™ IV	40 GB native capacity
Drive Head Life	30,000 tape motion hours			Quantum DLT1 CleaningTape	20 uses
Error Rate (Unrecoverable)	1 in 10 ¹⁷ bits			Read Compatible	with the DLT 4000 format
Format Specifications				Media Life	
Recording Format	168 tracks (84 logical track pairs)			Archive Storage	30 years with less than 5% loss in demagnetization (@20° and 40% non-condensing humidity)
Recording Density	123Kbpi			Durability	1,000,000 head passes
Track Density	336 tpi				
Encoding Method	RLL (1,7) code				
Data Compression	DLZ				
Physical Specifications					
Dimensions – inches (mm)					
Height	3.34 (84)				
Width	16.5 (419)				
Length	24 (609)				
Weight – pounds (kg)	< 33 lbs				
Configurations	Table top and rack mount				
Orientation	Horizontal				

1. With 2:1 data compression that may vary based on data type and other variables.
 2. A cycle is defined as dismount of cartridge from drive into carrier at current position, move 3 carrier positions, mount cartridge into drive.

Quantum
ATL ValueLoader™



For more information,
 visit quantum.com

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