

Tandberg DLT VS Autoloader

Introducing the Industry's First 2U DLT Autoloader



- Up to 640GB* compressed storage capacity
- Up to 21.6GB*/hr transfer rate
- First 2-Unit high rack-optimized DLT autoloader
- Highest value per density ratio
- Based on highly reliable DLtape™ technology
- Optional bar code reader for fast cartridge inventory and data retrieval
- Supported by all major operating systems and software applications
- 3-year warranty

Hands-free Reliable Unattended Backup

The Tandberg DLT VS Autoloader is a significant advancement in automation innovation; a reassuring extension of the industry-standard DLT technology and a revolutionary development in tape automation.

Users small and large rely on automation because it reduces IT overhead, offers increases in capacity over standalone tape drives, provides random access to several cartridges, and eliminates human intervention, the number one cause of data loss. The Tandberg DLT VS Autoloader 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 DLT automation.

Rack Optimized for Slim Spaces

Data center space in computer environments is at a premium and has been filling up at an unprecedented rate, resulting in the IT industry moving toward efficient footprints for servers and storage. The Tandberg DLT VS Autoloader is the next step

toward greater density in computer environments. The combination of the high capacity provided by the industry's only half-height DLT tape drive and the new 2U autoloader provides best-of-breed data density when implemented in rack-optimized installations.

Integration and Administration – Made Easy

The Tandberg DLT VS Autoloader uses a menu-driven, easy to operate LCD display to operate the loader. The Tandberg DLT VS Autoloader also features automated cartridge management for import and export of data cartridges. Users are presented with cartridges for export and prompted for import. In addition the optional barcode reader provides inventory of stored data and automated media tracking so that access to stored data is fast and simple.

* Assuming 2:1 data compression
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TANDBERG DATA

TECHNICAL SPECIFICATIONS

PERFORMANCE SPECIFICATIONS

Drive Type:	Tandberg DLT VS80
Data Capacity Native:	320GB
Data Capacity Compressed (2:1):	640GB*
Sustained Transfer Rate Native:	3.0MB/s
Sustained Transfer Rate Compressed (2:1):	6.0MB/s*
Burst Transfer Rate:	20MB/s
SCSI Interface:	Wide Ultra SCSI-2, Low-Voltage Differential (LVD)
Cartridge Loading:	Single front loading slot (import slot)
Data Compression:	On-board DLZ with variable block size
Data Buffer:	2MB
Access Mode:	Sequential and random cartridge access
Worst Case Dismount Cartridge and Mount New Cartridge:	< 25 seconds**
Cartridge Inventory Time with Barcode:	< 25 seconds
Manual Entry of Cartridge to Carousel:	< 5 seconds

Format Specifications

Recording Format:	168 tracks (84 logical track pairs)
Recording Density:	123Kbpi
Track Density:	336 tpi
Encoding Method:	RLL (1,7) code
Data Compression:	DLZ

Reliability Specifications

MCBF:	> 250,000 cycles***
MTBF:	> 100,000 hours @ 100% duty cycle
Drive Head Life:	30,000 tape motion hours
Error Rate (Unrecoverable):	1 in 10 ¹⁷ bits

Physical Specifications

Dimensions:	Width: 41.9 cm (16.5 in); Depth: 60.9 cm (24 in); Height: 8.4 cm (3.34 in)
Rack Height:	2u (8.5 cm / 3.5 in)
Weight:	< 15 kg (33 lbs)
Configurations:	Tabletop and rackmount
Orientation:	Horizontal

Environmental Limits

Operating	Temperature:	10°C to 40°C (50°F to 104°F)
	Humidity:	20 to 80% non-condensing
Non-operating	Temperature:	-40°C to 60°C (-40°F to 140°F)
	Humidity:	20 to 80%

Power Specifications

Power Requirements:	96-264 VAC auto-ranging, 47-63Hz
Voltage (DC):	+5V, +12V
Power Consumption:	55W

Media / Format Compatibility

Tandberg DLTtape™IV:	40 GB native capacity
Tandberg DLT1 Cleaning Tape:	20 uses
Backward Read Compatibility:	DLT1 and DLT 4000 format
Archive Storage:	30 years with less than 5% loss in demagnetization (@ 20°C / 68°F and 40% non-condensing humidity)
Durability:	1,000,000 head passes

Software and Platforms

See the most recent Tandberg Data Software Compatibility Guide for a complete list of software and platforms compatible with the Tandberg DLT VS Autoloader at www.tandberg.com

* Actual capacity and transfer rate is highly dependent on data type.

** Worst case assumes dismount of cartridge into carrier at home position, movement of carrier in position 8 to home position, and mounting of the cartridge; excludes drive take-up of leader.

*** A cycle is defined as dismount of cartridge from drive into carrier at current position, move 3 carrier positions, mount cartridge into drive.

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