



2283V-1 40GB/80GB Digital Linear Tape Drive

Reliable High Capacity Tape Drive for VS Computer Systems

The Getronics Advantage

High capacity storage and backup product: 40GB/80GB and up to 40GB/hr. transfer rate**

- Highest Capacity Tape Product available for the VS
- Outstanding performance – 6MB per second native transfer rate**
- Uses Industry standard DLT Tape media made by multiple manufacturers and available from many suppliers



- Fully integrated into, and supported by the VS Operating System
- Designed by one of the worlds leading tape manufacturers and customized specifically for the VS
- Y2K Compliant
- Reliability – recording head life of 50,000 hours, media durability of 1,000,000 media passes, MTBF of 250,000 hours

** Current generation VS controllers may not be able to provide data at the DLT tape drives rated speed

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The Getronics DLT™

With the addition of Digital Linear tape (DLT) Getronics now offers businesses a comprehensive range of VS based tape storage management solutions from entry level to mid range.

Getronics' new 2283V-1 series of DLT Tape Drives combines capacity, performance and reliability in a single 5.25" full height SCSI device capable of storing up to 80GB of data on a single tape cartridge. This drive also supports older generation 20/40GB and 35/70GB media.

Why DLT?

There are several viable tape devices for VS installations. DLT is the product of choice where capacity, high reliability and dependability are the prime considerations.

The design and performance of the 2283V-1 DLT drive offers 15% higher capacity and faster throughput than the previous generation DLT 35/70GB products. To ensure accuracy and data security, the DLT drives recording head has an average life of 50,000 hours and 250,000 hours MTBF (Mean Time Before Failure).

The DLT Drive utilizes proven linear recording technology which includes a precision tape guidance mechanism and a head design with self cleaning features for reliability, four channel parallel recording and DLZ compression for performance, real time read-while write data verification, CRC, Reed-Solomon ECC for data integrity, TapeAlert™ and enhanced self monitoring diagnostics and to ensure optimum performance and reliability.

DLT & Backup Strategies

Successful data storage management means not only choosing the best tape storage product, but also selecting the correct data cartridge media, the right number of tapes and knowing how to use them for the best data integrity in your environment.

- ✓ Select the proper capacity tape for your drive
- ✓ Buy enough tapes to allow the tape rotation scheme you need.
- ✓ Use Cleaning Cartridges regularly.
- ✓ Remember to take backup tapes off site (store them correctly too!) for disaster recovery.

Tape Rotation = Successful Backups

Using only one tape for backup does not protect your data properly. To ensure complete protection you need to devise a tape rotation strategy that fits your business hours and needs. Your Getronics representative and consultants can help you devise Tape Rotation Schemes that are appropriate for your VS.

Multiple suppliers

This drive supports industry standard media available from multiple suppliers. This allows you to choose the media you want based on price and availability. Your Getronics representative can assist you in procuring a sufficient number of tapes for shipment with your new drive.

Operating System Support

This drive is supported in VS OS release 7.53.00 and later. Release 7.53 is part of the VS Century Server Software Product (CSP). The most current Device Support Package is also required. The drive cannot be configured in earlier releases.

Tape mode (compressed or uncompressed) is determined at the time the tape is first initialized on the VS using the TAPEINIT utility, however it can be overridden by manual controls on the drive.

Controller Support

This drive can be configured on the following VS I/O controllers:

- VS 5000/6000 – 50V68E, and 50V68.
- High-end VS – 70V68-2, 70V68EW.

Mounting Locations

Getronics supports mounting of the 2283V-1 in the following mounting locations:

- SSM-C9, SSM-C4X and SSM-C4 VS SCSI Enclosures
- MDSC-D* and MDSC-R Mini Data Storage Cabinets

* Not all bays in the MDSC-D are usable to mount disk and/or tape drives requiring external media mounting.

Getronics does not support mounting of the 2283V-1 drive in VS 5000 or 6000 system cabinets or in the SSM-C, SSM-C1 or SSM-C2 cabinets; or in cabinets provided by other suppliers. The 2283V-1 cannot be mounted in the MDSC-M storage cabinet. Mounting of the drive in an unsupported location voids all warranties.

The 2283V-1 drive is a single ended SCSI device. When it is connected to a high-end VS host, the SCSI bus must be converted from Differential SCSI to Single Ended SCSI before it connects to the drive.

Open SCSI Use

Although Getronics provides the 2283V-1 drive primarily for use on VS systems, it can also be used on any system supporting generic SCSI devices. Many Personal Computers and UNIX systems provide appropriate support. VS formatted disk volumes will not normally be usable on other hosts or servers.

Media

Each 2283V-1 DLT drive is shipped with one 40GB data cartridge and one cleaning cartridge plus applicable mounting kits. The 2283V-1 drive uses industry standard DLT tape media. The following media are supported:

Media Recommendations

Depending upon the specifics of the configuration and the workload of the VS host, it is possible that the VS may not be able to supply data at a rate that will keep the DLT drive streaming. The drive will automatically recover from such cases, however overruns do impact throughput. Where capacity is not the primary requirement, better overall throughput may be obtained by using a 20GB/40GB tape rather than the 40/80GB tape.

Key Technical Specifications

Formatted Capacity (Uncompressed/ Compressed)	40GB / 80GB
Average file Access time	60 seconds
Average Rewind time	60 seconds
Media Load time	37 seconds

Format & Compatibility

Number of Tracks	208 track serial serpentine
Recording Density	98kbits per inch
Media Data Retention	30 years
Media Durability	1,000,000 passes
Undetected Error Rate	1×10^{27} bits read
Uncorrected Error Rate	1×10^{17} bits read
Read Write Compatibility	All previous DLT-tape formats

Warranty and Service Information

The 2283V-1 DLT tape drive has a 90-day warranty. If the host to which it is connected is covered by a Getronics maintenance contract, then Warranty service will be consistent with the service provided for other peripherals on the system. If the host is not covered by a Getronics contract then warranty service response will be consistent with non-contract per-incident service. Contract maintenance programs are available for this device.

Warranty and Service terms may vary in locations outside the United States.

Models and Ordering

The 2283V-1 drive may be ordered from a local Getronics representative or from Getronics Telesales at 1-800-639-9264.

Model	Description
2283V-1	40GB/80GB Digital Linear Tape Drive

This drive may be factory installed in a SCSI cabinet, provided that the cabinet and drive are on the same order. Advise your sales representative at the time the order is placed.

Installation

This device requires installation by a Getronics Field Service Engineer. Normal installation charges apply.