

DLT DRIVES

DLT
DLT1

6 MB/s

40 GB

INDUSTRY STANDARD DLT TAPE DRIVES FOR MID-RANGE APPLICATIONS REQUIRING A BALANCE BETWEEN COST AND PERFORMANCE

High-Performance Backup For The Shrinking Backup Window

Designed for high-performance backup, DLTtape drives achieve sustained native transfer rates of up to 21.6 GB per hour, and up to 43.2 GB per hour with data compression. Four channel read/write heads provide state of the art performance.

Exceptional Reliability

The durability of DLTtape drives and media has been proven in the industry. Reliability is confirmed with exceptional 200,000 hour Mean Time Between Failure (MTBF) for the DLT1 model and 250,000 for the DLT8000 model.

Advanced Design Features

Extensive embedded diagnostics/self-test software combine with 4 LEDs and audio indicators of drive status on the front panel to provide advanced features for operator convenience. Interior dust cover protects the head and media from airborne contaminants. Gentle tape handling and automatic self-calibration are additional built-in advantages.

High-Performance

Overland's DLTtape drives employ the industry-standard Fast/Wide SCSI interface, ensuring compatibility with network and workstation platforms. Tape repositioning is minimized by a 512 KB adaptive cache that matches the speed of the tape drive to the system. Tape positioning information is automatically created and maintained, allowing fast access to data.

Unmatched Reliability

All Overland DLTtape drives provide a powerful Reed Solomon ECC, a custom 64-bit CRC on each 2 KB of data on media, end-to-end Error Detection Code (EDC onto media and back) overlapped with parity from the SCSI bus, and internal parity checking on the cache buffer. These features produce an unequalled error-rate specification of 1 error in 10^{17} bits.

Superior Design

Tape composition and rugged cartridge design, along with the drives' gentle tape handling, result in media durability superior to 4mm and 8mm recording mechanisms.



DLT TAPE DLT1

- High capacity and performance tabletop and internal drives
- Unsurpassed data integrity for high reliability
- DLT1 drives provide DLTtape capacity and performance at dramatically lower cost
- XchangeNOW® advance replacement warranty included





DLT DRIVES

Compatibility To Keep You Connected

- Supports all major operating systems including HP-UX, IBM AIX, Linux, Mac OS, Novell NetWare, SCO UNIX, Sun Solaris, Tru64 UNIX, Windows NT/2000 and more.
- Seamless compatibility with all leading tape application software.

Service You Can Count On

- Covered by Overland's standard three-year factory warranty. Optional on-site service is available.
- Includes exclusive **XchangeNOW**[®] direct replacement warranty program, providing users a replacement unit free of charge shipped within two business days.

Protecting Your Storage Investment

- Over 20 years of experience in providing tape storage solutions.
- Engineering excellence with award-winning library robotics design.
- Overland meets the needs of IT professionals in industries worldwide.



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MODEL	DLT1	DLT8000
DRIVE PERFORMANCE		
Native capacity	40 GB	40 GB
Compressed capacity*	80 GB	80 GB
Native transfer rate	3 MB/sec. 10.8 GB/hour	6 MB/sec. 21.6 GB/hour
Compressed transfer rate*	6 MB/sec. 21.6 GB/hour	12 MB/sec. 43.2 GB/hour
Bit error rate**	1 x 10 ¹⁷	1 x 10 ¹⁷
DRIVE RELIABILITY		
MTBF*	200,000 hours	250,000 hours
Design life	7 years	7 years
Head life**	30,000 hours	50,000 hours
Media durability	1,000,000 passes 15,000 uses	1,000,000 passes 15,000 uses
DATA ORGANIZATION		
Recording format	168 data tracks	208 data tracks
Recording density (bpi)	123,000	98,000
Read/write head w/ MIG	four-channel	four-channel
RECORDING MEDIUM		
Tape	.5-inch metal particle, 1500 Oe, .5 mil thick	
Length	1800 feet	1800 feet
Cartridge	DLTtape [®] IV	DLTtape [®] IV
INTERFACE		
Supported interface	Fast/Wide SCSI	Fast/Wide SCSI-2
ENVIRONMENT		
OPERATING:		
Temperature range	10° to 40° C	10° to 40° C
Relative humidity	20% to 80% RH	20% to 80% RH
NON-OPERATING		
Temperature range	-40° to 66° C	-40° to 66° C
Relative humidity	10% to 95% RH	10% to 95% RH
POWER REQUIREMENTS		
Voltage - VAC autoranging	100/120 - 220/240	100 to 240
Power consumption, operating	24 watts, typical	28 watts, typical
Frequency	50 to 60 Hz	50 to 60 Hz
PHYSICAL DIMENSIONS		
Dimensions (H x W x D)	3.94 x 8.38 x 10.44 inches (10 x 21.2 x 27.7 cm)	6.48 x 6.88 x 12.8 inches (16.5 x 17.4 x 32.5 cm)
Weight	8.7 lb (3.94 kg)	14 lb (6.35 kg)

* Assumes compression ratio of 2:1. Actual performance may vary with the application.

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