

EXABYTE MAMMOTH-2



Key Features

Up to 150 GB (60 GB native) data storage capacity per tape cartridge

Over 100 GB (43 GB native) per hour data transfer speed

Supported by the most popular NT and UNIX storage software

Exabyte reliability

Exabyte's new M2™ (Mammoth-2) is the best enterprise-level, high performance tape drive engineered for the midrange market.

The fastest tape drive in its class, M2 delivers a 30 MB/second compressed transfer rate, and a capacity of up to 150 GB* (60 GB native). Ideal for UNIX and NT environments, M2 automatically scales its performance to match the host system, without impacting server efficiency.

The superior speed and capacity of M2 are invaluable for companies that need to store large amounts of data and retrieve them quickly and easily. M2 is a self-cleaning tape drive, equipped with conditioning heads and a cloth cleaning wheel. Superior 225 AME media features Exabyte's exclusive SmartClean™ technology with a section of cleaning tape at the beginning of each data cartridge.

MammothTape™ technology family of tape drives

MammothTape technology offers many data storage solutions, from single tape drives to complex network backup solutions and storage area networks (SANs). Exabyte's Mammoth-LT tape drive, at 7 GB capacity and 2 MB per second transfer rate, allows smooth migration to the MammothTape technology roadmap at an entry level price. For companies with higher capacity and performance requirements, Mammoth drives are available, with 20 GB capacity and a transfer rate of 3 MB per second.

Exabyte MammothTape libraries and autoloaders

Exabyte libraries and autoloaders, equipped with MammothTape technology drives, provide automated data backup for businesses of all kinds. The Exabyte EZ17 autoloader is a perfect first step into automation with a capacity of up to 1 TB and a transfer rate of up to 108 GB per hour. The powerful yet affordable Exabyte X80, with capacity of up to 12 TB and transfer rate of up to 864 GB per hour, enables growing companies to invest in a scalable M2 solution. The Exabyte X200 is the largest and most scalable of Exabyte's libraries, with a capacity of up to 30 TB and a data transfer rate of up to 1 TB per hour.

Companies already using MammothTape technology are excited about upgrading to M2. For scalable data storage solutions that will work now and in the future, Exabyte's MammothTape technology provides a robust roadmap into the 21st century.

Advantage

Enterprise Performance

Product Features

- 8mm AME high performance media
- 12 MB/sec native data transfer rate
- ALDC hardware compression

Benefit

Backs up 150 GB onto a single tape in under 1.5 hours — the fastest in the market.

Mission-Critical Reliability

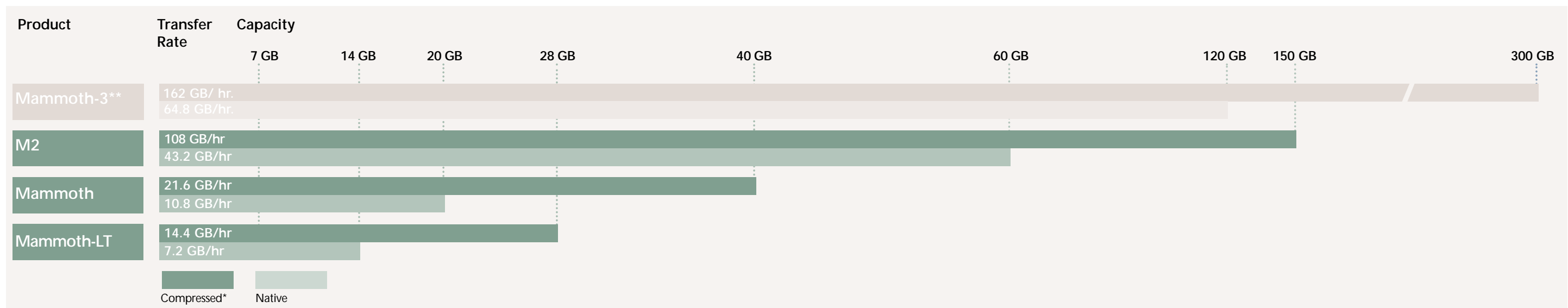
- Exabyte 225m AME media with SmartClean technology
- Supports TapeAlert™, the industry standard preventive maintenance and diagnostic tool

M2 self-cleaning tape drive delivers the longest recording life of any tape drive.

Scalable Solutions

- Low-voltage differential (LVD) SCSI
- Fibre Channel interface (Q1 2000)
- Library compatible

M2 is the latest member in a powerful family of MammothTape technology storage solutions — from 14 GB tape drives to 30 TB automated libraries.



* Mammoth compressed specifications assume a 2:1 compression ratio. M2 and Mammoth-3 compressed specifications assume a 2.5:1 compression ratio.

** Mammoth-3 specifications are subject to change without notice.

For more information on MammothTape technology, visit www.mammothtape.com on the World Wide Web.

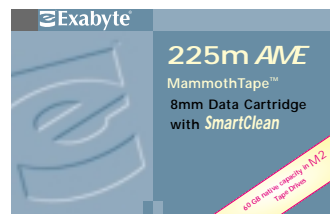
Library Integration

M2 is integrated into the X200, X80 and 220 libraries and into the EZ17 autoloader.

Media Compatibility

Exabyte M2 tape drives are available as a component ready for server integration and as a consumer-ready packaged solution.

M2 tape drive specifications are verified using Exabyte AME media with SmartClean™ technology for optimal data recording and drive performance.



Part Number	M2 Description
270015-1096 internal drive	M2, pearl white LCD panel
270004-1097 internal kitted drive	M2, low voltage differential (LVD) cable, pearl white LCD panel, 225m SmartClean AME media Installation and operation guide
270004-1099 external kitted drive	M2 in enclosure low voltage differential (LVD) cable, 120v, AC power cord, pearl white LCD panel, 225m SmartClean AME media, Installation and operation guide

For a complete list of part numbers, ask your reseller or visit www.exabyte.com.

	Media	M2	Mammoth	Mammoth-LT
AME	Exabyte 22m AME*	Read	Read/Write	Read/Write
	Exabyte 45m AME*	Read	Read/Write	Read/Write
	Exabyte 125m AME*	Read	Read/Write	Read/Write
AME with SmartClean	Exabyte 170m AME*	Read	Read/Write	NS
	Exabyte 75m AME	Read/Write	NS	NS
	Exabyte 150m AME	Read/Write	NS	NS
	Exabyte 225m AME	Read/Write	NS	NS

* Exabyte AME Advanced Metal Evaporated media is designed for use in Exabyte MammothTape Technology tape drives only. Please verify that your tape drive supports AME media *prior* to using this data cartridge. For optimal performance and reliability, Exabyte recommends only SmartClean AME media for M2 tape drives and libraries. M2 can use other AME media but will require regular cleaning with an Exabyte Mammoth cleaning cartridge. NS=Not supported

M2 Technical Specifications

Capacity	Media
Tape Length 225m	225m Advanced Metal Evaporated (AME) media with SmartClean™ technology
Native 60 GB Compressed* 150 GB	
Performance	Drive Cleaner
Transfer rate, sustained: 30 MB per second, compressed* (108 GB per hour) 12 MB per second, native (43.2 GB per hour)	Exabyte M2 is self-cleaning when used with Exabyte 225m AME media with SmartClean technology.
Burst transfer rate, interface: LVD, 80 MB per second Fibre Channel, 100 MB per second	Head Life 50,000 hours at 100% duty cycle
Search rate, nominal: (20 GB) 60 second	Media Life > 20,000 passes
Cartridge load to ready: < 17 seconds	Environmental
Interface	Operating temperature: 5° C to +45° C (41° F to 113° F) Nonoperating temperature: -20° C to 60° C (4° F to 140° F)
Low-voltage differential (LVD), Fibre Channel (Available Q1 2000)	Relative humidity, noncondensing: 20% to 80%
Buffer Size 32 MB	Power +5 VDC, +12 VDC, 16 watts typical
Data Integrity BER < 1 in 10 ¹⁷	Dimensions (HxWxD) 1.63 x 5.75 x 8.0 in. 4.14 x 14.61 x 20.32 cm
Reliability MTBF > 300,000 hours Read-after-write verification	Weight 3 lbs./1.36 kg.
Recording Method Advanced 8mm helical scan	Agency Certifications UL, CSA, IEC (bare drive) UL, CSA, IEC, FCC, ICES, CISPR, VDE, TUV (tabletop enclosure)
Read and Write Formats Read: Mammoth-LT, Mammoth and M2 Read and write: M2	Warranty Three year advance exchange

Software Compatibility
For the most recent software compatibility information, visit the Products section on the Exabyte website.
www.exabyte.com



Contact an Exabyte sales representative at 1-800-EXABYTE for availability of products using MammothTape technology.

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MAMMOTH-2

Exabyte's Mammoth-2 tape drive delivers enterprise performance at a price that's affordable for every application server on your network.



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