

VXA-2 Packet Tape Drive



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If value is at the top of your selection criteria then the VXA-2 Packet Tape Drive is the right product for you. Its unique combination of greater capacity, faster data transfer rates and dramatically higher data reliability at a comparable price makes VXA Packet Drives the new standard in SMB/departmental tape backup and restore.



- Selected by OEMs — including IBM, Fujitsu-Siemens, Apple and Toshiba — providing a definitive endorsement of VXA Packet Tape Drives as the new standard for tape storage in its class.
- Available in SCSI, FireWire or IDE interface.
- Read/write compatible with all VXA Packet Tape Drives available from IBM, Fujitsu-Siemens, Toshiba, Apple and others.

- Provides 4x the capacity, 2x the speed and 180x the restore integrity of DDS-4 at a comparable price.
- Delivers more than 2x the capacity, 2x the speed of DAT72 (DDS fifth generation) with even greater data reliability at a lower price.
- Gives the SMB/Departmental market the best capacity/price – 80/160GB (native/compressed), 6/12MB per second transfer rate and industry-leading data reliability starting at \$999 MSRP.
- Offers far superior data reliability than any other tape technology, enabled by its innovative read/write VXA Packet Technology —“extreme” tested to provide 100 percent data restore.
- Provides a published roadmap extending through four successive generations, consistently doubling capacity and speed every two years while holding pricing level, thus protecting your long-term investments in VXA Packet Tape Drives and media.

VXA Packet Technology

VXA Packet Technology provides a digital solution to the long-standing mechanical problem of head-to-tape alignment – a common issue which causes conventional tape storage products to trade off costly mechanical complexity with data restore integrity. With VXA's award-winning Packet Technology, VXA Packet Tape Drives write and read data in individually addressed “packets,” accomplished by the heads sweeping the entire face of the tape rather than the conventional method of sequentially tracing every tiny track embedded on the tape. During a read operation, discrete data packets are dynamically gathered and reassembled in the VXA buffer, similar to the manner in which data is transferred and reassembled via the Internet, resulting in dramatically higher data restore integrity with reduced cost. VXA Packet Technology eliminates the need for expensive, complex mechanisms to maintain the tight tolerances required for tracking resulting in much greater capacity, speed and data reliability at a much lower cost.



For optimal drive performance and reliability, Exabyte provides VXA Packet media and cleaning cartridges specifically designed for use with VXA-2 Packet Tape Drives.

To get your data protection up and working fast, each VXA-2 Packet Drive is packaged with the necessary components.

The Exabyte internal VXA-2, LVD SCSI Packet Tape Drive includes a quick start manual.

The internal VXA-2 Packet Tape Drive, LVD SCSI, kitted configuration includes a quick start manual, 1 V23 media cartridge and 1 cleaning cartridge.

The external VXA-2 Packet Tape Drive, LVD SCSI, kitted configuration includes a US and international power cord, SCSI terminator, quick start manual, 1 V23 media cartridge and 1 cleaning cartridge.

The Exabyte VXA-2 Packet FireWire external tape drive kit includes a quick start manual, US and international power cord, 6 ft. FireWire cable, 1 V23 media cartridge, 1 cleaning cartridge and Dantz Retrospect Professional/Desktop Backup Software.

VXA-2 Configurations	Exabyte Part #
VXA-2, LVD, internal, white and black	114.00500
VXA-2, LVD, internal, black	114.00501
VXA-2, LVD, internal, kitted, white and black	114.00502
VXA-2, LVD, external, kitted, white	115.00500
VXA-2, LVD, external, kitted, black	115.00501
VXA-2, FireWire, external, kitted, translucent	115.00502

Media Cartridge	VXA-1	VXA-2	Exabyte Part #
V23	not available	80/160	111.00121
V17	33/66	59/118	111.00103
V10	20/40	40/80	111.00106
V6	12/24	20/40	111.00100
VXA Cleaning Cartridge			111.00109

VXA-2 Packet Tape Drive Technical Specifications

Capacity

V23 cartridge	80/160 GB*
V17 cartridge	59/118 GB*
V10 cartridge	40/80 GB*
V6 cartridge	20/40 GB*

Performance

Search Rate (maximum): 165 x read/write

Speed (990 MB per second native)

Cartridge load to ready: <10 seconds

Transfer Rate

SCSI Ultra2 LVD/SE:
Sustained: 6 MB per second native (21.6 GB per/hr)
12 MB per second compressed* (43.2 GB per/hr)
Burst: 80 MB per second

FireWire/IEEE1394A:
Sustained: 6 MB per second

Buffer Size

2 MB

Reliability

MTBF 300,000 hours
ECC Error Correction:
4-layer Reed Solomon ECC
Hard Error Rate: <1 in 1 X 10¹⁷ bits

Recording Method

Packetized data, 128 bytes per packet, helical scan

Read and Write Formats

Read: VXA-1, VXA-2
Read and Write: VXA-1, VXA-2

Media

Advanced Metal Evaporated (AME) media

Drive Cleaner

Exabyte VXA cleaning cartridge is required

Environmental

Operating temperature:
5°C to +45°C (41°F to 113°F)
Nonoperating temperature:
-40°C to 60°C (-40°F to 140°F)
Relative humidity, noncondensing:
20% to 80%

Power

+5 VDC, +12 VDC, 8 watts typical

Dimensions (HxWxD)

Internal: 41.4mm x 133.35mm x 203mm (1.63 in. x 5.25 in. x 8.0 in.)

External: 86mm x 227mm x 286mm (3.38 in. x 8.93 in. x 11.25 in.)

Shipping Dimensions (HxWxD)

Internal: 177.8mm x 279.4mm x 355.6mm (7 in. x 11 in. x 14 in.)

External: 177.8mm x 381mm x 533.4mm (7 in. x 15 in. x 21 in.)

Weight

Internal: 1 kg (2.2 lbs.)
External: 3kg (6.6 lbs.)

Shipping Weight

Internal: 1.81437 kg (4 lbs.)
External: 4.53592 kg (10 lbs.)

Agency Certifications

UL, CSA, IEC (bare drive)
UL, CSA, IEC, FCC, CISPR, VDE,
TUV (tabletop enclosure)

Warranty

3 year

Software Compatibility

The VXA-2 Packet Tape Drive is compatible with all major backup applications and operating systems. For up-to-date compatibility information, please visit our website at: www.exabyte.com

Contact an Exabyte sales representative at 1-800-EXABYTE for availability of VXA-2 products or products using VXAtape technology



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