

VXA-2 Packet Tape Drive



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VXA – The Most Reliable Restore in Tape™

If value is at the top of your selection criteria then it's time to step up to the new standard in tape backup, the VXA-2 Packet Tape Drive, featuring Exabyte's award-winning VXA® Packet Technology™. VXA-2 Packet Drives provide 80 GB capacity (up to 160 GB compressed¹) at an MSRP² less than \$1000, giving customers exceptional capacity and remarkable affordability. Its unique combination of greater capacity, faster data transfer rates and dramatically improved data reliability makes the VXA-2 Packet Drive 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.
- Read/write compatible with all VXA Packet Tape Drives available from IBM, Fujitsu-Siemens, Toshiba, Apple and others.

- VXA-2 delivers 80 to 160 GB¹ of capacity at a transfer rate of 6 MB/second to 12 MB/second¹.
- Extreme tested VXA Packet Technology provides 100% restore even in the most severe conditions.
- VXA Packet drives and tapes offer scalable capacity – four media length choices provide just the right capacity for today's backup needs and the flexibility to scale for future data growth.
- VXA-2 provides over 4x the capacity, 2x the speed, and 180x the restore integrity as DDS-4 at a comparable price.
- VXA-2 provides more than 2x the capacity and 2x the speed of DAT72 (DDS fifth generation) with even greater data reliability at a lower price.
- VXA Packet media and cleaning cartridges, specifically designed for use with VXA-2 Packet tape drives, provide optimal drive performance and reliability.
- VXA X Tape are available in three different cartridge capacities (20/40GB, 40/80 GB and 80/160 GB), providing VXA-2 users the flexibility to choose the capacity that best meets their current storage and budget needs with the ability to add capacity on demand, simply by using larger capacity VXA Tapes. VXA X Tape uses AME, which provides significantly longer tape life than other tape technologies — 500 minimum uses — as compared to only 99 maximum recommended uses for DDS tapes.
- Superior product reviews and adoption by major OEMs have established VXA Packet Technology as the new standard in tape backup and restore.
- Media written with VXA-1 Packet Drives are read-compatible with the VXA-2 Packet Drive.
- Media written with all VXA Packet Tape drives available from IBM, Fujitsu-Siemens, Toshiba, Apple and others are read-compatible with the VXA-2 Packet Drive.
- VXA-2 is available with a SCSI-2 LVD, FireWire or IDE interface.

VXA Packet Technology

Exabyte's award-winning Packet Technology enables VXA Packet drives to read and write data on tape using digital packets, just like the Internet. This Packet Technology provides far superior restore integrity, exceptional transfer speeds and scalable capacity. VXA-2 Packet drives deliver transfer speeds up to 12 MB per second¹, allowing network administrators to backup 160 GB¹ of data (equal to one VXA-2 tape) in less than four hours. With PerfectWrite™ and 4 level Reed-Solomon Error Correction, VXA products are the only tape devices that are up to 180x more likely to restore your data — even from a damaged tape.

¹Compressed. Compressed specifications assume a 2:1 compression ratio. Compression capacity and throughput will vary dependent upon type of data and system configuration. All specifications are subject to change without notice.

²MSRP applies to internal, bare unit only. Other configurations are slightly higher.

The Exabyte VXA-2 Packet Tape Drive is packaged with the components needed to get your data protection up and running fast:

- The kitted configuration of the LVD SCSI internal VXA-2 Packet Tape Drive also includes one V23 VXA-2 data cartridge and one VXA cleaning cartridge.
- The kitted configuration of the LVD SCSI external VXA-2 Packet Tape Drive also includes US and international power cords, a 68-pin HD LVD SCSI terminator, one V23 data cartridge and one VXA cleaning cartridge.
- The kitted configuration of the FireWire external VXA-2 Packet Tape Drive also includes US and international power cords, one FireWire cable, one V23 data cartridge, one VXA cleaning cartridge and Dantz Retrospect Professional/Desktop Backup Software.
- All configurations of the VXA-2 Packet Tape Drive include a documentation CD and a printed Quick Start Guide.

VXA-2 Configurations

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
VXA-2, LVD internal kitted, white and black W/ X23 tape and Yosemite Tapeware	114.02502
VXA-2, LVD internal kitted, white and black W/ X10 tape and Yosemite Tapeware	114.02504
VXA-2, LVD internal kitted, white and black W/ X6 tape and Yosemite Tapeware	114.02505
VXA-2, LVD external kitted, white W/ X23 tape and Yosemite Tapeware	115.02500
VXA-2, LVD external kitted, black W/ X23 tape and Yosemite Tapeware	115.02501
VXA-2, FireWire external kitted, white and black W/ X23 tape and Dantz Retrospect	115.02502



VXA Packet Tapes

Exabyte offers a full line of Certified V Tape and X Tape media to optimize VXA Packet Tape Drive performance and ensure data integrity.

Product	Part No.	VXA-1	VXA-2
X23 (230m) Data Cartridge	111.00221	—	80/160GB*
X10 (124m) Data Cartridge*	111.00206	—	40/80GB*
X6 (62m) Data Cartridge**	111.00200	—	20/40GB*
X Cleaning Cartridge	111.00209	✓	✓
V23 (230m) Data Cartridge	111.00121	—	80/160GB*
V17 (170m) Data Cartridge	111.00103	33/66GB*	60/120GB*
V10 (120m) Data Cartridge	111.00106	20/40GB*	40/80GB*
V6 (62m) Data Cartridge	111.00100	12/24GB*	20/40GB*
VXA Cleaning Cartridge	111.00109	✓	✓

*Native/compressed, assumes 2:1 compression. **Requires firmware level 2105 or higher.

VXA-2 Packet Tape Drive Technical Specifications

Capacity	Power
X23 or V23 cartridge 80/160 GB*	+5 VDC, +12 VDC, 8 watts typical
V17 cartridge 59/118 GB*	Dimensions (HxWxD)
X10 or V10 cartridge 40/80 GB*	Internal: 41.4mm x 133.35mm x 203mm (1.63 in. x 5.25 in. x 8.0 in.)
X6 or V6 cartridge 20/40 GB*	External: 86mm x 227mm x 286mm (3.38 in. x 8.93 in. x 11.25 in.)
Performance	Shipping Dimensions (HxWxD)
Search Rate (maximum): 165 x read/write	Internal: 177.8mm x 279.4mm x 355.6mm (7 in. x 11 in. x 14 in.)
Speed (990 MB per second native)	External: 177.8mm x 381mm x 533.4mm (7 in. x 15 in. x 21 in.)
Cartridge load to ready: <10 seconds	Weight
Transfer Rate	Internal: 1 kg (2.2 lbs.)
SCSI Ultra2 LVD/SE:	External: 3kg (6.6 lbs.)
Sustained: 6 MB per second native (21.6 GB per/hr)	Shipping Weight
12 MB per second compressed* (43.2 GB per/hr)	Internal: 1.81437 kg (4 lbs.)
Burst: 80 MB per second	External: 4.53592 kg (10 lbs.)
FireWire/IEEE1394A:	Agency Certifications
Sustained: 6 MB per second	UL, CSA, IEC (bare drive)
Buffer Size	UL, CSA, IEC, FCC, CISPR, VDE, TUV (tabletop enclosure)
2 MB	Warranty
Reliability	3 year
MTBF 300,000 hours	Software Compatibility
ECC Error Correction:	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
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	Contact an Exabyte sales representative at 1-800-EXABYTE for availability of VXA-2 products or products using VXAtape technology
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%	



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