

# VXA-2 Tape Drive



## VXA – the DDS Replacement

VXA-2 provides value, performance and reliability as the replacement technology of choice for the aging DDS tape marketplace. With four times the capacity and twice the speed of a DDS 4 drive, and a value price of under \$1000, VXA-2 is the smart choice for replacing DDS. VXA's unique packet recording technology provides 100% reliable record and restore of valuable data. VXA-2 offers reliability, performance and capacity not previously available in a value priced tape drive.

- **80 GB capacity (160 compressed\*)**
- **6 MB/second transfer rate (12 MB compressed\*)**
- **SCSI Interface**
- **4 media lengths available**
- **MSRP under \$1000\*\***

## FEATURES

- Backup 80 GB native server or workstation data in less than four hours
- VXA-2 is write/read compatible with the VXA-1 recording format
- 4 media length choices allows the user to optimize media investment
- Unique VXA packet recording technology designed for 100% reliable restore operations

VXA-2 is designed to provide 100% data reliability at a value price, uniquely positioned as the replacement drive technology of choice for the aging DDS tape market. Exabyte's VXA-2 tape drive brings cost-effective storage to the consumer, providing a user-friendly, inexpensive and efficient migration path for DDS users. Industry leaders such as IBM, Compaq, Apple, Fujitsu and Toshiba are among the first to accept and recommend VXA as a DDS alternative tape storage product.

VXA-2, partnered with a V23 media cartridge can back up a full 80GB (160GB compressed) in less than 4 hours, providing for quick archival of valuable data. For users who do not require a full 80GB of capacity on one tape, three additional tape sizes are offered, allowing users to purchase a tape size that meets their data storage and archival needs. VXA-2 is offered in both internal and external (standalone) configurations.

## VXA's Superior Technology

The enabling foundation of VXA technology is Discrete Packet Format (DPF), writing and reading data in packet form, creating the most reliable and affordable method for transferring data. Additionally, VXA uses OverScan Operation (OSO) to read the data packets independent of track shape or geometry, giving users a data restore capability unprecedented in the storage industry.

Finally, unlike conventional tape drives, VXA drives adjust tape motion to match the host transfer rate, eliminating "backhitching" and enhancing media and drive reliability while optimizing backup and restore job times.

These innovations combine to create tape storage products with unbeatable reliability and performance for midrange storage needs.

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

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

The Exabyte internal VXA-2, LVD SCSI tape drive includes a quick start manual. The internal VXA-2, LVD SCSI, kitted tape drive includes a quick start manual, 1 V23 media cartridge and 1 VXA cleaning cartridge. The external VXA-2, LVD SCSI, kitted tape drive includes a US and international power cord, SCSI terminator, quick start manual, 1 V23 media cartridge and 1 VXA cleaning cartridge.

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

VXA-2 Configurations	Exabyte Part #
VXA-2, LVD, internal, white	114.00500
VXA-2, LVD, internal, black	114.00501
VXA-2, LVD, internal, kitted, white	114.00502
VXA-2, LVD, internal, kitted, black	114.00503
VXA-2, LVD, external, kitted, white	115.00500
VXA-2, LVD, external, kitted, black	115.00501



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

## VXA-2 Tape Drive Technical Specifications

### Capacity

V23 cartridge	160 GB* (80 GB native)
V17 cartridge	118 GB* (59 GB native)
V10 cartridge	80 GB* (40 GB native)
V6 cartridge	40 GB* (20 GB native)

### Performance

Transfer rate, sustained:
6 MB per second, native (21.6 GB per hour)
12 MB per second, compressed* (43.2 GB per hour)
Burst transfer rate: 80 MB per second
Search rate (maximum): 165 read/write speed (1 GB per second native)
Cartridge load to ready: <10 seconds

### Interface

SCSI Ultra 2 LVD/SE

### Buffer Size

2 MB

### Reliability

MTBF 300,000 hours
MTTR 30 minutes
Error Correction: 4-layer Reed Solomon ECC
Hard Error Rate: <1 in 1 X 10 <sup>17</sup> bits

### Recording Method

Packetized date, 128 bytes per packet, helical scan

### Read and Write Formats

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

### Media

Advanced Metal Evaporated (AME) media

### Drive Cleaner

Exabyte VXA cleaning cartridge is recommended

### 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 advanced exchange

### Software Compatibility

The VXA-2 is compatible with all major backup applications and operating systems. For up-to-date compatibility information, please visit our website at [www.exabyte.com](http://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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\*Assumes a 2:1 compression ratio. Compression, capacity and throughput will vary dependent upon type of data and system configuration.

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