



VXA-2 Tape Drive

160 GB Backup and Restore

VXA raises the bar on storage technology, providing the perfect replacement to DDS.

VXA-2 is the smart choice with four times the capacity and twice the speed of the best DDS drive – at roughly the same price!

Taking Over for DDS

DDS has been a mainstay of the low-end tape backup marketplace for years, but advances based on the same “packetized” technology that powers the Internet and our telecommunications networks have resulted in an alternative that offers faster performance, greater capacity and increased reliability without a significant change in price.

Exabyte's VXA-2 tape drives brings cost-effective storage to a new level, providing a simple, inexpensive and efficient migration path from DDS.

Market Adoption

But don't just take our word for it! Industry leaders such as Compaq, Apple, Fujitsu and Toshiba were the first to accept VXA as an alternative tape storage product and are actively making VXA the technology of choice for their storage systems.

With 160 GB capacity at 12 MB/sec*, VXA-2 offers four times the capacity of DDS-4 at twice the speed, making it an ideal choice for a scalable family of DDS replacement tape drives. VXA-2 also is fully backward compatible with VXA-1 drives to protect your investment in VXA tape storage.

What Makes VXA Special?

The enabling foundation of VXA technology is Discrete Packet Format (DPF), which allows data to be written and read in packet form, creating a highly 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.

Combined, these innovations create tape storage solution with unbeatable reliability and performance for your midrange enterprise.

Reliable Tape Storage

Designed for 100% Restore

160 GB at 12 MB/sec*

Full backward compatibility with VXA-1

The value standard for the next generation in data storage

Please visit www.avax.com to learn more about VXA technology.



*Compressed specifications assume a 2:1 compression ratio.



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Extreme Testing. Extremely Impressive Results.

To ever ensure the safety of your data, we've put VXAtape® through a rigorous battery of tests. We boiled it. Froze it. Even kerplunked it in hot coffee. The results? 100% restore every time. Your faith? We'll even restore that, too.



VXA-2 specifications

Performance

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)
Sustained Transfer Rate	Host Matching up to 12 MB/sec* (6 MB/sec native)	
Burst Transfer Rate	Synchronous Burst Rate: 80 MB/sec	
Data Compression	ALDC Hardware	
Data Buffer Size	2 MB	
Interface	SCSI Ultra 2 LVD/SE	
Search Speed (maximum)	165 read/write speed (1 GB/sec native) * assumes 2:1 compression	

Reliability

Packetized Data	128 bytes of user data plus ECC
Error Correction	4-layer Reed Solomon ECC
MTBF	300,000 hours
MTTR	30 minutes
Hard Error Rate	< 1 in 1 X 10 ¹⁷ bits
Warranty	3 years
TapeAlert	Compliant with TapeAlert specification

Environmental

Operating Temperature	+5° C (41° F) to 45° C (113° F)
Non-Operating Temperature	-40° C (-40° F) to 60° C (140° F)
Operating Relative Humidity	20% to 80% non-condensing

Physical

Dimensions (H x W x D)	Internal: 41.2mm x 146mm x 203mm (1.63 in. x 5.75 in. x 8.0 in.) External: 86mm x 227mm x 285mm (3.38 in. x 8.93 in. x 11.25 in.)
Weight	Internal: 1kg (2.2 lbs.) External: 3kg (6.6 lbs.)
Color	Internal: white or black External: white or black

Power

Internal	Requirement: +5 VDC, +12 VDC Consumption: 10 watts typical
External	Requirement: universal auto-switching, 96 to 240 VAC Consumption: 12 watts typical

VXAtape

Cartridge	VXA-1	VXA-2	Part number
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

Media Type	Advanced Metal Evaporated
Shelf Life	30 years

VXA-2 Configurations

Exabyte Product Number

internal, white, LVD	114.00500
internal, black, LVD	114.00501
internal, white, LVD, w/media	114.00502
internal, black, LVD, w/media	114.00503
external, white, LVD, w/media	114.00502
external, black, LVD, w/media	115.00501

VXA Support

VXA-2 products from Avax International set a new standard for tape drive value, reliability, and data availability. Because we recognize product support as an essential component of customer satisfaction, all VXA-2 products come with exceptional support services, including:

- 3-year warranty
- Free phone support during the warranty period
- Fast, user-friendly website with practical solutions

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.avax.com.



Avax International
8 Thompson Crescent
Erin, ON N0B 1T0 Canada
519-833-2900 or 800-443-4542
www.avax.com
sales@avax.com



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