VXA revolutionizes the tape storage industry using technology similar to that already proven in the Internet, telecommunications and rewriteable CD markets. VXA-1 sets a new standard for data restore and interchange while offering extraordinary tape drive performance.

Discrete Packet Format™(DPF)

The enabling foundation of VXA® technology is its revolutionary Discrete Packet Format. DPF enables data to be written and read in packet form, providing users a data restore capability unprecedented in the storage industry. The packets are uniquely addressed and can be read in any sequence.

Variable Speed Operation™(VSO)

Conventional streaming drives must operate at a constant speed, and when the flow of data to or from the drive is interrupted, the tape must be stopped and repositioned. This "backhitching" significantly accelerates media and head wear, which in turn adversely impacts data reliability and the life of the drive mechanism. In contrast, the VXA-1 drive adjusts tape motion to match the host transfer rate, eliminating backhitching. This capability significantly enhances media and drive reliability while optimizing backup and restore job times.

OverScan Operation™(OSO)

OverScan Operation is a technique for reading data packets independent of track shape or geometry. By reading packets with multiple scans, VXA virtually guarantees data restore. This also ensures media interchange – data on any VXA tape can be read by any VXA drive.

Re-inventing
Tape Storage

66 GB at 6 MB/sec

Designed for 100% reliable restore

Optimal backup and restore job times

Assured media interchange

A new standard in data storage value

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

Ecrix

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-1 specifications

Performance

Capacity	V17 cartridge	66 GB* (33 GB native)
	V10 cartridge	40 GB* (20 GB native)
	V6 cartridge	24 GB* (12 GB native)
Sustained Transfer Rate	Host Matching up to 6 MB/sec* (3 MB/sec native)	
Data Compression	ALDC Hardware	
Data Buffer Size	4 Mbits	
Interface	SCSI single-ended narrow, SCSI Ultra 2 LVD/SE FireWire/IEEE 1394 (2nd half 00)	
Load Time	20 seconds	
Search Speed	256 MB/sec* (128 MB/sec native)	

Reliability

Packetized Data	64 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
Head Life	30,000 hours
TapeAlert	Compliant with TapeAlert specification

Environmental

Operating Temperature	+10°C (50°F) to 40°C (104°F)
Non-Operating Temperature	-40°C (-40°F) to 60°C (140°F)
Relative Humidity	20% to 80% non-condensing

Physical

Dimensions (H x W x D)	Internal: 1.63 in. x 5.75 in. x 8.0 in. (41mm x 146mm x 203mm) External: 3.38 in. x 8.93 in. x 11.25 in. (86mm x 227mm x 285mm)
Weight	Internal: 2.2 lbs. (1kg) External: 6.6 lbs. (3kg)
Color	Internal: white or black External: white, black, red, blue, translucent (G4 design)

Power

Internal	Requirement: +5 VDC, +12 VDC Consumption: 8 watts typical
External	Requirement: universal auto-switching, 96 to 240 VAC Consumption: 12 watts typical

VXAtape

Cartridge	V17: 66 GB* (33 GB native), 170m V10: 40 GB* (20 GB native), 107m V6: 24 GB* (12 GB native), 62m
Media Type	Advanced Metal Evaporative
Durability	20,000 passes
Shelf Life	30 years

VXA Support

VXA-1 products from Ecrix Corporation 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-1 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-1 is compatible with all major backup applications and operating systems. For up-to-date compatibility information, please visit our website at www.VXA.com.

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*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.