

## VXA Packet Tape Drives

### *Award-Winning Packet Technology*

**Tandberg Data's award-winning Packet Technology enables VXA packet drives to read and write data on tape using digital packets, just like the Internet. As a result, VXA is an extremely secure way to store, archive, retrieve and exchange data.**

The Packet technology provides far superior restore integrity, exceptional transfer speed and scalable tape capacities. With check after write and 4-level Reed-Solomon error Correction, VXA products are the only tape devices that are up to 180 times more likely to restore your data than other technologies—even from a damaged tape.

Our packet tape drives work with every major operating system including Microsoft™ Windows, Linux, MacOS, Novell Netware and most flavors of Unix. They are supported by most popular backup applications and come with 3 years of warranty and support.

Tandberg Data's VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg Data VXA tape drives, autoloaders and libraries.

The Tandberg Data portfolio of VXA Packet Tape Drives includes the following portfolio of products:

#### **VXA-2 Drive:**

Capacity: 80-160GB at a transfer rate of 6MB/s to 12MB/s

Available with a SCSI-2 LVD/SE, IDE or FireWire interface

The only tape drive that allows DDS users to migrate to a higher capacity, higher performance tape backup product at the same cost

#### **VXA-172 Drive:**

Capacity: 86-172GB at a transfer rate of 12MB/s to 24MB/s

Available in a SCSI-3 LVD Ultra 160 interface

First product with "on-demand" capacity that provides customers the flexibility to upgrade capacity to 320GB per tape

Compatible with all VXA-2 and VXA-320 drives and autoloaders from all manufacturers including IBM, Apple and Acer

#### **VXA-320 Drive:**

Capacity: 160-320GB at a transfer rate of 12MB/s to 24MB/s

Available with FireWire or SCSI HD Ultra 160 interface

Combination of greater capacity, faster data transfer rates and improved data reliability is a great match for the SMB/departmental environment




### Key Benefits

#### == The New Standard

Selected by OEMs—including IBM, Apple and Toshiba—providing a definitive endorsement of VXA Packet Tape Drives as the new standard for tape storage in its class.

#### == Scalable Capacity

VXA Packet Drives and tapes offer scalable capacity—up to four media length choices provide just the right capacity for today's backup needs and the flexibility to scale for future data growth

#### == Disaster Tested

Three generations of VXA products have been disaster tested by Tandberg Data and independent labs under the most severe conditions—including violent vibration, immersion in volcanic dust, boiling water and hot coffee, and even freezing cartridges in ice—to ensure reliable and complete data restores

#### == Minimize Downtime

All VXA drives are supported with a 3-year warranty and 1 year Advance Replacement Service



VXA Drives are the new standard  
for tape storage

**TANDBERG DATA**   
Securing your Information

## Specifications

	VXA-2 Drive	VXA-172 Drive	VXA-320 Drive
Capacity	X23 80/160GB V17 59/118GB X10 40/80GB X6 20/40GB	X10 86/172GB X6 40/80GB	X23 or V23 160/320GB X10 86/172GB X6 40/80GB
Performance	<b>Search Rate (max) 165 x read/write Speed (990MB/s native)</b>	<b>Search Rate (max) 165 x read/write Speed (1.98GB/s native)</b>	<b>Search Rate (max) 165 x read/write Speed (1.98GB/s native)</b>
Transfer Rate Average Sustained (native/compr.)	SCSI Ultra2 LVD/SE: 6MB/s (21.6 GB/hr) / 12 MB/s (43.2 GB/hr) FireWire/IEEE 1394A: 6MB/s	SCSI-3 Ultra 160: 12MB/s (43.2GB/hr) / 24 MB/s (86.4GB/hr)	12MB/s (43.2GB/hr) 24 MB/s (86.4GB/hr)
Transfer Rate Burst	80MB/s	160MB/s	160MB/s
Buffer Size	2MB	8MB	8MB
File Access Time	<10 seconds	30 seconds	30 seconds
Interface	SCSI, FireWire	HD LVD Ultra 160 SCSI	FireWire 800, HD LVD Ultra 160 SCSI, USB 2.0
Reliability	MTBF 300,000 hours, ECC Error Correction: 4-layer Reed Solomon, ECC Hard Error Rate: <1 in 1x 10 <sup>17</sup> bits		
Temperature	Operating: 5C to 45C (41F to 113F), Non-Operating: -40C to 60C (-40F to 140F)		
Rel. Humidity (operating)	20 to 80% (non-condensing)	20 to 80% (non-condensing)	20 to 80% (non-condensing)
Power Requirements	100-240VAC	100-240VAC	100-240VAC
Power Consumption	8W	13W	23W
Agency Certifications	UL, CSA, IEC (bare drive) UL, CSA, IEC, FCC, CISPR, VDE, TUV (tabletop enclosure)		
Warranty	3-Year	3-Year Advanced Replacement Service	3-Year Advanced Replacement Service
Recording Method	Packetized data, 128 bytes per packet, helical scan		
Read and Write Formats	Read: VXA-1, VXA-2 Read and Write: VXA1, VXA-2	Read: VXA-2, VXA-172/VXA-320 Read and Write: VXA-2, VXA-172/VXA-320	Read: VXA-2, VXA-320 (VXA-3) Read and Write: VXA-2, VXA320-(VXA3)
Media X6, X10, X23	Advanced Metal Evaporated (AME) media		
Drive Cleaner	Tandberg Data VXA cleaning cartridge is required for all units		
Software Compatibility	Compatible with all major backup applications and operating systems.		

\*Assumes a 2:1 compression ratio

Form Factors	Internal Dimensions	External Dimensions	Internal Shipping Dimensions	External Shipping Dimensions
Height:	1.63 in. (41.4mm)	3.38 in. (86mm)	7 in. (177.8mm)	7 in. (177.8mm)
Width:	5.75 in. (146mm)	8.93 in. (227mm)	11 in. (279.4mm)	15 in. (381mm)
Length:	8.0 in. (203mm)	11.25 in. (268mm)	14 in. (355.6mm)	21 in. (533.4mm)
Weight	2.2 lbs. (1kg)	6.6 lbs. (3kg)	4 lbs. (1.8kg)	10 lbs. (4.5kg)

**About Tandberg Data:** Tandberg Data is a leading global supplier of backup and archiving technologies. Tandberg Data offers a complete range of tape libraries, tape autoloaders and tape drives (based on the LTO™, SLR™, VXA® tape technology platforms), storage software, data media and disk-based storage such as the RDX™ QuikStor. These solutions are marketed exclusively through a channel of qualified resellers and distributors. These solutions are underpinned by OEM agreements with major server manufacturers including IBM, Hitachi, Fujitsu, Fujitsu-Siemens, Apple and Dell and supported by all major operating systems and storage software applications to operate in heterogeneous network environments. All solutions are designed to meet the growing storage requirements of small and medium-sized organisations with scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection.

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