

## 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 data 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

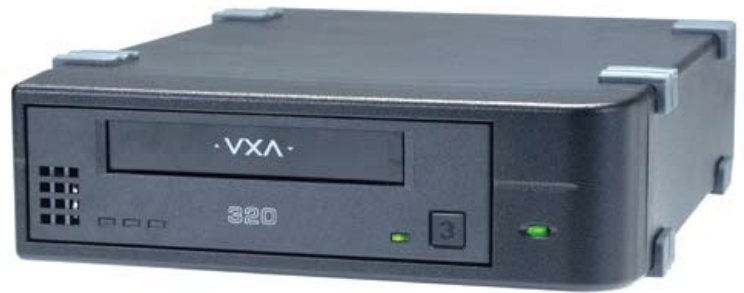
The only tape drive that allows DDS users to migrate to a higher capacity, higher performance tape backup product at the same cost

#### VXA-320 Drive:

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

Available with FireWire or SCSI HD Ultra 160 interface

Unique 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 Advanced Replacement Service



VXA Drives read and write data on tape using digital packets providing a secure way to store, archive, retrieve and exchange data.

**TANDBERG DATA**  
Securing your Information

## Specifications

	Tandberg VXA-2 Drive	Tandberg VXA-320 Drive		
Capacity	<b>X23 80/160GB</b> <b>V17 59/118GB</b> <b>X10 40/80GB</b> <b>X6 20/40GB</b>	<b>X23 or V23 160/320GB</b> <b>X10 86/172GB</b> <b>X6 40/80GB</b>		
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>		
Transfer Rate Average Sustained (native/compr.)	<b>SCSI Ultra2 LVD/SE:</b> <b>6MB/s (21.6 GB/hr) / 12 MB/s (43.2 GB/hr)</b> <b>FireWire/IEEE 1394A: 6MB/s</b>	<b>12MB/s (43.2GB/hr) 24 MB/s (86.4GB/hr)</b>		
Transfer Rate Burst	<b>80MB/s</b>	<b>160MB/s</b>		
Buffer Size	<b>2MB</b>	<b>8MB</b>		
File Access Time	<b>&lt;10 seconds</b>	<b>30 seconds</b>		
Interface	<b>SCSI, FireWire</b>	<b>FireWire 800, HD LVD Ultra 160 SCSI, USB 2.0</b>		
Reliability	<b>MTBF 300,000 hours,</b> <b>ECC Error Correction: 4-layer Reed Solomon</b> <b>ECC Hard Error Rate: &lt;1 in 1x 10<sup>17</sup> bits</b>	<b>MTBF 300,000 hours</b> <b>ECC Error Correction: 4-layer Reed Solomon</b> <b>ECC Hard Error Rate: &lt;1 in 1x 10<sup>17</sup> bits</b>		
Temperature	<b>Operating: 5C to 45C (41F to 113F)</b> <b>Non-operating: -40C to 60C (-40F to 140F)</b>	<b>Operating: 5C to 45C (41F to 113F)</b> <b>Non-operating: -40C to 60C (-40F to 140F)</b>		
Rel. Humidity (operating)	<b>20 to 80% (non-condensing)</b>	<b>20 to 80% (non-condensing)</b>		
Power Requirements	<b>100-240VAC</b>	<b>100-240VAC</b>		
Power Consumption	<b>8W</b>	<b>23W</b>		
Agency Certifications	<b>UL, CSA, IEC (bare drive) UL, CSA, IEC, FCC, CISPR, VDE, TUV (tabletop enclosure)</b>	<b>UL, CSA, IEC (bare drive) UL, CSA, IEC, FCC, CISPR, VDE, TUV (tabletop enclosure)</b>		
Warranty	<b>3-Years Warranty</b>	<b>3-Years Warranty</b>		
Recording Method	<b>Packetized data, 128 bytes per packet, helical scan</b>	<b>Packetized data, 128 bytes per packet, helical scan</b>		
Read and Write Formats	<b>Read: VXA-1, VXA-2</b> <b>Read and Write: VXA1, VXA-2</b>	<b>Read: VXA-2, VXA-320 (VXA-3)</b> <b>Read and Write: VXA-2, VXA320-(VXA3)</b>		
Media X6, X10, X23	<b>Advanced Metal Evaporated (AME) media</b>	<b>Advanced Metal Evaporated (AME) media</b>		
Drive Cleaner	<b>Tandberg Data VXA cleaning cartridge is required for all units</b>	<b>Tandberg Data VXA cleaning cartridge is required for all units</b>		
Software Compatibility <small>*Assumes a 2:1 compression ratio</small>	<b>Compatible with all major backup applications and operating systems.</b>	<b>Compatible with all major backup applications and operating systems.</b>		
<b>Form Factors</b>	<b>Internal Dimensions</b>	<b>External Dimensions</b>	<b>Internal Shipping Dimensions</b>	<b>External Shipping Dimensions</b>
Height:	<b>1.63 in. (41.4mm)</b>	<b>3.38 in. (86mm)</b>	<b>7 in. (177.8mm)</b>	<b>7 in. (177.8mm)</b>
Width:	<b>5.75 in. (146mm)</b>	<b>8.93 in. (227mm)</b>	<b>11 in. (279.4mm)</b>	<b>15 in. (381mm)</b>
Length:	<b>8.0 in. (203mm)</b>	<b>11.25 in. (268mm)</b>	<b>14 in. (355.6mm)</b>	<b>21 in. (533.4mm)</b>
Weight	<b>2.2 lbs. (1kg)</b>	<b>6.6 lbs. (3kg)</b>	<b>4 lbs. (1.8kg)</b>	<b>10 lbs. (4.5kg)</b>

### 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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