

The gold standard in tape backup and restore

The VXA-320 (VXA-3) PacketLoader 1x10 1U sets the standard in data density, data reliability, transfer speed and price for this class of automation products. In addition to its compact 1U, rackmountable form factor, it offers a midrange feature set, including a barcode reader standard, random library operation and standard remote management.

VXA Packet Technology

VXA Packet Technology writes and reads data in small, digital packets, much like the Internet. This is a significant difference from all other tape technologies, which rely on costly and expensive track-based technologies. VXA Packet Drives and Autoloaders offer:

Amazing transfer speeds — up to 86 GB per hour — allowing network administrators to backup 320 GB of data in under four hours.

VXA X Tape are available in three different cartridge capacities (40/80 GB, 80/160 GB and 160/320 GB), providing VXA-320 (VXA-3) users the flexibility to choose the capacity that best meets their current storage and budget needs with the ability to add capacity on demand, simply by using larger capacity VXA Tapes. VXA X Tape uses AME, which provides significantly longer tape life than other tape technologies — 500 minimum uses — as compared to only 99 maximum recommended uses for DDS tapes.

Superior reviews and awards by leading technology analysts and publications along with adoption by leading computer manufacturers including IBM, Apple and Fujitsu-Siemens.

Good reasons to select the StorageLoader VXA

Provides enough capacity for up to two weeks of unattended backup (3.2* terabytes — ten 320 GB* tapes).

Compatible with all VXA drives: IBM, Fujitsu-Siemens, Apple, Acer.

Uses VXA-320 (VXA-3) Packet Tape Drives with patented VXA Packet Technology — extreme tested for 100% data restore integrity.

Uses a compact 1U rack -mounted design to accommodate space constraints.

Offers ten 320 GB cartridge slots for up to 3.2 TB backup capacity at a transfer speed of up to 86.4 GB/hr. to deliver the best combination of speed and capacity available in any comparable autoloader.

Incorporates midrange autoloader features, such as a barcode reader standard, random library operation and standard remote management functionality at an entry-level price.

Product Highlights

- 10 Slot VXA Autoloader
- Available with VXA-172, VXA-320 drive (VXA-2 is available on special request only)
- Maximum capacity of 3,2TB
- Maximum transferrate of 86GB/ hour
- Field-replaceable drive
- Provides SCSI and IEEE1394 interface



Technology	VXA-2	VXA-172	VXA-320
Capacity (native):	800 GB	860 GB	1600 GB
Capacity (compressed)*:	1600 GB	1720 GB	3200 GB
Buffer Size:	2 MB	8 MB	8 MB
Transfer rate (native):	6 MB/s	12 MB/s	12 MB/s
Transfer rate (compressed)*:	12 MB/s	24 MB/s	24 MB/s
Transfer rate (burst):	80 MB/s	160 MB/s	160 MB/s
File Access Time (Average):	112 Sec.	69 Sec.	95 Sec.
Move Complete Time:	22 Sec.	22 Sec.	22 Sec.
System Interface:	SCSI-2 Ultra2, LVD/SE IDE/ATAPI, FireWire 800 / IEEE1394B	SCSI-3, Ultra160 HD68	SCSI-3, Ultra160 HD68
Tape Alert Compliant:	Yes	Yes	Yes
Warranty:	1 year	1 year	1 year

Format, Compatibility and media

Recording format:	VXA-1, VXA-2	VXA-2 / 172 / 320	VXA-2 / 172 / 320
Encoding / Decoding:	Packetized data, 128 bytes per packet, helical scan		
Media	Advanced Metal Evaporated (AME) media		

Reliability and Error correction

Hard Read Error Rate	< 1 in 1 X 10 ¹⁷ bits		
MTBF:	250,000 hrs	250,000 hrs	250,000 hrs

Dimensions

Height:	68.58 cm	68.58 cm	68.58 cm
Width:	44.7 cm	44.7 cm	44.7 cm
Depth:	4.36 cm	4.36 cm	4.36 cm
Weight (w/o tape):	10.3 kg	10.3 kg	10.3 kg
Weight (w/10 tapes):	10.9 kg	10.9 kg	10.9 kg

Power requirements

Max. while operating:	31 W	35 W	35 W
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Environmental Specifications

Temperature: Operating	+ 10° C to +37° C / +50° F to +104° F
(Storage)	(-40° C to +65° C / -40° F to +150° F)
Relative Humidity (operating):	20 % to 80 %
Max. Wet Bulb Temperature:	26° C
Altitude-Feet (m): Operating	- 1000 to 10000 (-305 to 3050)
Agency Certifications:	UL, FCC, CSA, CISPR, RoHS, (VXA-2 FireWire to be RoHS Q1-CY2007)

* assuming 2:1 data compression

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