Why VXA RakPak?

- Streamlines rack-mounted server backup

- Provides a 100% restore of mission-critical data

- Removes risk of data loss due to computer virus contamination or other security breaches

- Maximizes use of costly floor space

- Uses ultra-reliable VXA packet technology similar to Internet and telecommunications industries

Product Highlights

- Two-tape capacity totaling 132 GB

- 12 MB/sec aggregate transfer rate in parallel data streams

- Clearly visible LEDs for easy monitoring

- 1u size minimizes space used in standard 19-inch racks

Optimize Server-room Real-estate (and Protect Your Data)

As server-room floor-space cost escalates, maximizing its use becomes key to profitable operations. Optimize your real estate by consolidating servers, storage, and tape systems into 19-inch racks. The VXA® RakPak™ lets you take advantage of the VXA-1 tape drive's highly reliable backup and restore capabilities in a sleek, one- or two-drive package specifically designed for rack mounting. The VXA RakPak allows you to pack up to 132 GB (2:1 compression) of data in the space of a single rack unit. For lower capacity requirements, it provides up to 66 GB of storage when optionally configured with a single drive.

VXA – High Reliability Meets Low Cost

The award-winning VXA-1 tape drives are the first and only drives to use packets – a technology similar to that already proven in the Internet and telecommunications markets. Uniquely addressed, each VXA data packet can be read in any sequence – independent of track shape or geometry. This approach virtually guarantees 100% data restore and eliminates the need for the costly head and track alignment mechanisms required by other tape drives.

VXA also successfully solves a problem known as "backhitching" or "shoeshining." When data flow to or from other drives is interrupted – a frequent occurrence – the tape must stop, rewind, and reposition itself to restart where the data stopped. Backhitching accelerates media and head wear and negatively impacts the life of the drive mechanism. VXA is the only tape technology to completely eliminate backhitching by automatically adjusting its tape motion to match the host transfer rate – significantly enhancing reliability and optimizing both backup and restore times.

A 1 Unit Rack-mount Package

The VXA RakPak design combines VXA-1 tape drives with a convenient rack-mount chassis that fits securely into standard 19-inch racks. Cooling, power, and grounding requirements are built in. Just secure the unit in your rack, connect your data cables, and plug the power cord into an outlet. All media is easily accessible at the front of the rack and the tape drive LEDs are clearly visible for easy monitoring. As storage requirements grow, additional VXA RakPak units can be easily installed. And, with packet technology, media interchange is assured.

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

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 RakPak specifications

Capacity

Drive	Native	Compressed*
1	33 GB	66 GB
2	66 GB	132 GB

Performance

Drives	Native	Compressed*
1	3 MB/sec	6 MB/sec
2	6 MB/sec	12 MB/sec

Interface

SCSI Ultra 2 LVD/SE

Drive Reliability

Packetized Data	64 bytes of user data plus ECC
Error Correction	4-layer Reed Solomon ECC
MTBF	300,000 hours (per drive)
MTTR	30 minutes
Hard Error Rate	<1 in 10^{17} bits (per drive)

Warranty

3 years**

Physical

Dimensions	10.75 in. x 17 in. x 1.75 in. (27.3cm x 43.2cm x 4.4cm)
Weight	9.7 lbs. (4.4kg) single drive and chassis

Environmental

Operating Temperature	5˚C (40˚F) to 40˚C (104˚F)
Non-Operating Temperature	-40˚C (-40˚F) to 65˚C (149˚F)
Relative Humidity	20% to 80% non-condensing

Service

Advanced Replacement Service available. See **www.VXA.com** for details.

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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.
**Return to factory.