Compaq StorageWorks AIT Tape Solutions

Intelligent data protection. Smart value.

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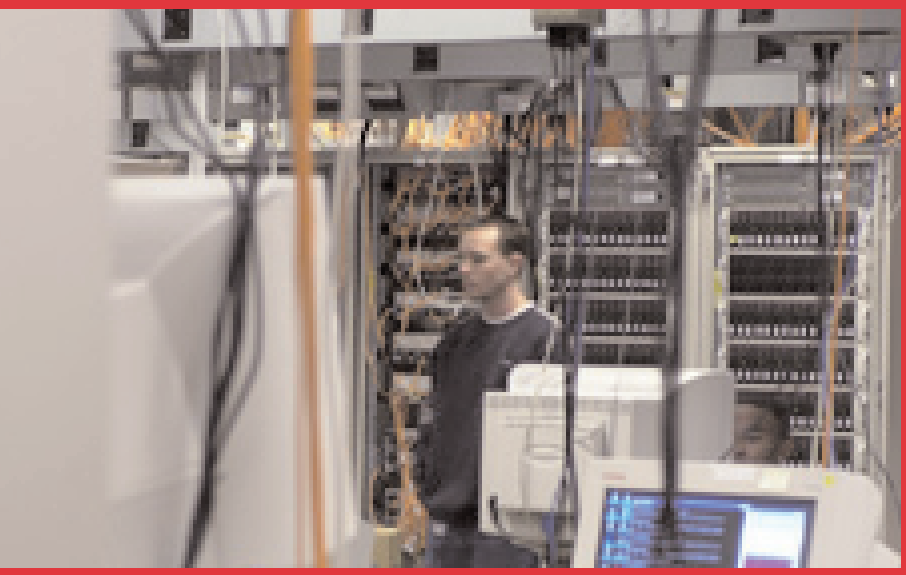
Take your tape storage to the next level



Storage demands are growing exponentially, not only in the data center, but also in small departments and branch offices. That means you need a data protection solution that can reliably store, back up and retrieve your critical data.

DAT technology just doesn't offer the capacity and performance most growing businesses require.

That's why DAT customers are rapidly migrating to Advanced Intelligent Tape (AIT) technology. AIT provides much higher capacity, superior data integrity and quicker performance than DAT – at a similar price.

AIT is the solution

There's no better time to make the move to AIT and there's no better choice than Compaq. Compaq offers a comprehensive line-up of proven AIT-based products that make it simple to deploy a fully integrated, easy-to-manage, data protection solution in just about any environment. Whether it's direct-attach storage or a SAN-based solution you need, the Compaq family of AIT products gives you flexible alternatives.

Compaq AIT solutions enable you to rapidly, cost-effectively and confidently accommodate today's storage needs – and the needs of tomorrow.

Compaq *StorageWorks* AIT Tape Solutions

Compaq AIT tape solutions offer vast improvements in density, transfer speed, and durability for today's DAT customers. Compaq AIT products are ideally suited for departmental and workgroup backups where you want outstanding capacity and performance at an affordable price. Available in 35 GB and 50 GB capacities, Compaq AIT drives are available in internal, external, hot-plug, rack-mount and library configurations – all ready to handle your increasing data storage requirements.

Low-maintenance solutions

All Compaq AIT tape devices use durable Advanced Metal Evaporated (AME) tape, which delivers exceptional strength and durability, reduced error rates and long recording life. High-density recording and low tape tension reduce drive head wear and improve system performance.

And unlike many conventional tape drives, the Compaq AIT drive constantly monitors head output to check for possible contamination and then invokes the built-in Active Head Cleaner. This reduces the need for periodic cleaning although an AIT cleaning cassette is also available.

Fast data access

The fast speed you can count on from Compaq AIT drives is due in part to Memory-In-Cassette (MIC) technology. MIC is flash memory that is embedded in every AIT tape cartridge. It allows high-speed media load, file search, and read/write access. The MIC offers fast load and unload times and access to your data in less than 27 seconds – from anywhere on the tape.

The benefits of MIC

- Faster access to data
- Better reliability through prediction of media degradation
- Faster and more reliable access to volume serial information
- Greater data integrity with a fault-tolerant system log
- Enhanced media security via decryption codes stored in the MIC

Why Compaq for AIT?

- **Data protection tools** – Compaq *StorageWorks* has a suite of software tools to simplify the process of configuring, implementing and maintaining a data protection strategy.
- **Complete qualification** – Compaq AIT solutions are thoroughly tested to ensure reliable interoperation of all your Compaq hardware components and the operating system and software you depend on.
- **Industry-leading service and support** – Compaq Global Services will help you get the most from your AIT solution, wherever you do business.
- **Lower total costs** – Only Compaq offers management features such as integration with Compaq Insight Manager, to help you reduce administration costs and lower your total cost of ownership.

Compaq *StorageWorks* AIT 35GB Drive

Compaq's AIT 35 tape drive technology is ideal for workgroup and small departmental server environments where you want to reliably store large amounts of business-critical information in a small form factor.

- 3.5-inch half-height form factor,
- 70 GB capacity (2:1 compression)
- 28.8 GB/hr backup performance

Compaq *StorageWorks* AIT 50GB Drive

When you need even higher density for storage-intensive environments and faster performance, the Compaq AIT 50 GB drive can reliably back-up large-scale network servers handling large volumes of images or other storage-demanding data.

- 3.5 inch half height form factor
- 100 GB capacity (2:1 compression)
- 43.2 GB/hr backup performance

Compaq *StorageWorks* TA1000 AIT Tape Array

Perform a month's worth of backup on a single device? Run ten simultaneous backups at 190 GB/hr? The *StorageWorks* TA1000 AIT Tape Array makes it simple. This self-contained tape array can house up to 10 AIT 50 GB hot-plug tape drives, each in its own hot-plug carrier. Supporting up to 1 TB in a 3U rack mount configuration, the TA1000 packs high capacity and performance into a space-saving design.

- Hot pluggable components let you swap out a tape drive, power supply or fan without taking down the server or interrupting your current backup job
- Easier to operate than a library and you can backup large volumes of data without waiting for robotics to move tapes
- 1 TB capacity (2:1 compression)
- 190 GB/hr backup performance (2:1 compression)
- Dual SCSI bus enables simultaneous backups

SSL2020TL AIT Library removable magazine

Compaq *StorageWorks* SSL2020TL AIT Library

When you need a fully automated, hands-off tape solution, the flexible SSL2020TL AIT Library is the ideal first step. A reliable, low-cost backup, restore and archival solution, this single- or dual-drive library offers 1 TB (native) of storage in a 4U tabletop or rack configuration. Scalable and modular, libraries can be stacked five-high to give you up to 10 TB of storage in 20U.

- Unattended Backup of up to 2 TB of storage
- Low-cost automation
- High capacity in small 4U form factor
- Transfer rates up to 40 GB/hr in a single module let you rapidly back up large amounts of data
- Easy to operate, with a removable magazine that simplifies off-site backup storage
- Supports Compaq Insight Manager, enabling you to monitor library and drive status over your network, simplifying management and predicting trouble before it causes downtime

Compaq *StorageWorks* 3U RM Storage Enclosure

Designed specifically for rack-dense datacenter, the cost-effective 3U RM Storage Enclosure enables you to consolidate multiple tape drives into an ultra-dense rack-mount space. Scalable and easy to use, it can support a variety of tape formats in addition to AIT – you can even combine multiple tape drive technologies in the same enclosure.

- Supports complete line of Compaq internal tape drives for ultimate flexibility and investment protection
- Top Access Door and Slide-Out Drive Trays simplify management and access to tape drives

For more information on the Compaq *StorageWorks* full line of tape products, please visit compaq.com/tapestorage

compaq.com

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