



StorageTek® T9940B Tape Drive

KEY BUSINESS BENEFITS

With the StorageTek® T9940B tape drive, your business will benefit from:

Lower total cost of backups. Lowest dollar per gigabyte media lowers backup costs.

Reduced backup windows. High data transfer shortens backup time.

Increased cartridge capacity. Minimizes mounts, improves automation efficiency.

Increased automation system capacity. Protects your automation investment.

Increased resource utilization. High duty cycle for 7x24 operations allows fewer drives.

Improved Disaster Recovery management. Fewer cartridges to manage.

Simplified SAN implementation. Leading edge native fibre interface for more SAN connectivity options.

Reduce backup windows significantly

...or backup more data within your existing backup window. The T9940B tape drive, with a native data transfer rate of 30 megabytes per second (70 megabytes per second maximum with compression), can transfer up to 252 gigabytes per hour. With a capacity of 200 gigabytes native per cartridge and 400 to 800 gigabytes with compression, you save even more time by reducing the number of cartridge mounts and dismounts.

Store more in less space while you protect your investment

Protect your investment in media and library resources – by using your existing StorageTek 9940 tape cartridges. The T9940B provides backward read compatibility along with the ability to rewrite 9940 tape cartridges with three times more data. Triple your tape storage capacity without acquiring additional or different cartridges.

Expect non-stop performance

Designed for around-the-clock high duty cycle use, the T9940B tape drive is ideal for applications that demand high capacity, high performance, high reliability and continuous use. Rely on the native two-gigabit, fabric-aware Fibre Channel interface to help you keep up with the demands of SAN environments and storage server networks. Flexible attachment capability supports both Public/Private Arbitrated Loops and Fabric Point-to-Point connectivity, ensuring attachment to a wide range of switches and routers to maximize productivity.

Lower storage costs

By extending the well-documented reliability and performance of StorageTek tape drives, the T9940B tape drive does the work of multiple, typical mid-range tape drives. You can eliminate extra hardware, reduce SAN complexity and simplify management. Reduce ownership costs even more with native attachment capability, which removes the need for interface adapters.

Capacity.
Speed.
Endurance.



STORAGETEK

VolSafe™ - 200 gigabyte secure Write-Once-Read-Many (WORM) storage

The T9940B tape drive supports 9940 VolSafe cartridges, a high-capacity WORM storage solution more robust than optical. VolSafe is a non-erasable, non-rewritable, cost-effective media for secure archival of critical data. Add 9940 VolSafe cartridges to your existing tape libraries and enjoy cost-effective high capacity and performance with the added security of VolSafe.

Rely on StorageTek – the tape storage leader

With more than 33 years of industry experience, StorageTek continues to set performance and capacity standards for reliable, scalable, cost-effective automated tape storage, backed by superior services and support worldwide. The T9940B tape drive exemplifies StorageTek's commitment to help you fulfill business objectives of continuous operation and efficient resource management. More important, the StorageTek T9940B tape drive delivers fast, economical, robust storage to meet today's IT needs and business realities.

T9940B tape drive specifications

Capacity and performance

| | |
|---------------------------------|------------|
| Capacity, native (uncompressed) | 200 GB |
| Performance, native | 30 MB/sec |
| Maximum sustained (compressed) | 70 MB/sec |
| Burst (2Gb Fibre) | 200 MB/sec |

Access times

| | |
|-------------------------------|-----------|
| Tape load and thread to ready | 18 sec |
| Average file access time | 41 sec |
| Maximum/average rewind time | 90/45 sec |
| Unload time | 18 sec |

Tape format

| | |
|--------------------|-------------------|
| Recording format | Linear serpentine |
| Number of channels | 16 |

Reliability

| | |
|----------------------------|---|
| Mean time between failures | |
| Power on hours | 290,000 hr @ 100% duty cycle |
| Tape load | 240,000 hr @ 10 loads/day (100,000 loads) |
| Tape path motion (TPM) | 196,000 hr @ 70% TPM duty cycle |
| Head life | 8.5 yr @ 70% TPM duty cycle |
| Uncorrected bit error rate | 1x10 ¹⁸ |
| Undetected bit error rate | 1x10 ³³ |

Interface data

| | |
|------------------------------------|--------------------------|
| Interface | 2 Gbit Fibre Channel |
| Read/write compatibility interface | Proprietary format |
| Emulation modes | Native T9940B and T9940A |

Physical data

| | |
|-------------|--------------------------------------|
| Form-factor | 5.25 in. (full height) ; 21 in. long |
|-------------|--------------------------------------|

Environmental data

| | |
|---------------|--------------------------------------|
| Temperature | |
| Operating | +59° F to +90° F (+15° C to +32° C) |
| Non-operating | +50° F to +104° F (+10° C to +40° C) |
| Humidity | |
| Operating | 20% to 80% |
| Non-operating | 10% to 95% |

Power source

| | |
|--|--------------------------|
| Voltage | 100- 240 VAC @ 50- 60 Hz |
| Power consumption/dissipation (operating maximum continuous - not peak) | 60W / 280 BTU/hr |



About StorageTek®

StorageTek® (NYSE:STK), a \$2 billion worldwide company with headquarters in Louisville, Colo., delivers a broad range of storage solutions for digitized data. StorageTek solutions are easy to manage and allow universal access to data across servers, media types and storage networks. StorageTek is the innovator and global leader in virtual storage solutions for tape automation, disk storage systems and storage networking. Because of StorageTek, customers can manage and leverage their digital assets as their businesses grow, and can maximize IT productivity to ensure enterprise-class business continuity. For more information, see www.storageitek.com or call 1.800.786.7835.

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