

Imation

VolSafe

Write-Once Tape Technology

The Black Watch™ 9840 & 9940 VolSafe™ cartridges provide a non-erasable, non-rewritable solution to address regulatory requirements of 17 CFR 240.17a-4 (f)(2)(ii)(A) by employing write-once, read many (WORM) functionality and related safeguards. VolSafe technology protects valuable corporate assets. VolSafe cartridges can be used in VolSafe enabled T9840 and T9940 drives in support of regulatory or litigation requirements.

How does VolSafe technology work?

VolSafe capability is a combination of hardware (VolSafe enabled drives), microcode and special media (VolSafe cartridges) that provides write-once, read many capability for 9840 and 9940 tape technology.

About VolSafe Technology

Enterprise-class T9840 and T9940 tape drives are used around the world by customers who require high performance tape technology solutions. VolSafe technology gives users a secure, scalable and reliable solution that offers storage for the 9840 and 9940 tape technology platforms by employing write-once, read many functionality and related safeguards. Tape formats that incorporate VolSafe technology provide users a cost-effective alternative to traditional optical, microfiche and microfilm options. Tried and proven in T9840 A and B



drive technology, VolSafe capability has now been extended to T9940B and T9840C tape technology. By using 9940 VolSafe tape cartridges - the first 200GB cartridge on the market, you can archive and secure massive amounts of information with a cost effective solution. VolSafe technology can allow your data center to meet legal storage requirements, retrieve data fast, and reduce concerns about technology obsolescence.

The combination of StorageTek drive technologies, Imation media technology, and VolSafe functionality allows users to archive massive amounts of information, yet retrieve any document in seconds. By replacing optical solutions, users can achieve significant cost savings and maintain scalability with the 9840 and 9940 tape technology platform.



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How is VolSafe technology different?

VolSafe technology combines visual, physical and magnetic redundancy to protect data security.

- Visibly – the VolSafe cartridge labels and write protect switches are different colors for easy identification.
- Physically – the VolSafe cartridge has a unique depression on the back of the cartridge that is detected by sensors in the drive to identify the cartridge as VolSafe enabled.
- Magnetics – the Media Information Region (MIR) contains a VolSafe identifier that is written on the tape at the factory.

Compatibility

- 9840 VolSafe cartridges are compatible with StorageTek T9840A and B model drives.
- 9840C VolSafe cartridges are compatible with the StorageTek T9840C drive.
- 9940B VolSafe cartridges are compatible with StorageTek T9940B VolSafe enabled drives.



	9840 VolSafe Cartridge	9840C VolSafe Cartridge	9940B VolSafe Cartridge
T9840A Drive	Read/Write		
	20GB Capacity		
	10MB/s Transfer Rate		
	12 Second Access Time		
T9840B Drive	Read/Write		
	20GB Capacity		
	19MB/s Transfer Rate		
	12 Second Access Time		
T9840C Drive	Read Only	Read/Write	
	40GB Capacity	40GB Capacity	
	30MB/s Transfer Rate	30MB/s Transfer Rate	
	12 Second Access Time	12 Second Access Time	
T9940A Drive	T9940A drive not VolSafe enabled		
T9940B Drive	Read/Write		
	200GB Capacity		
	30MB/s Transfer Rate		
	(up to 70 MB/s compressed)		

