

Marketing Bulletin

Seagate Secure™ Self-Encrypting Drives With FIPS 140-2 Level 2 Certification



FIPS 140-2 Inside

Be Safe. Be Compliant.

Sensitive information is at risk when storage devices leave your control. Thousands of hard drives are retired, lost or stolen daily, and loss or compromise of unprotected data on these devices can be expensive and embarrassing. Seagate Secure hard drives are designed to help you mitigate security risk, achieve regulatory compliance, and provide transparent, robust security.

The worldwide standard for cryptographic modules, FIPS 140-2 validation is an unparalleled mark of security and quality. Seagate Secure hard drives are the first Self-Encrypting Drives in the industry to achieve FIPS 140-2 Level 2 certification from the U.S. National Institute of Standards and Technology (NIST) and the Canadian Communications Security Establishment (CSEC) (certification No. 1299 and 1388).

Many state and local governmental bodies, as well as companies that do business with governmental entities, have also adopted the FIPS 140-2 standard for data cryptography. Additionally, commercial, compliance-driven and security-conscious companies worldwide—especially in healthcare, financial, education and infrastructure (utilities, transportation, etc.) verticals—are increasingly requiring FIPS 140-2 validation and demanding that data at rest be encrypted to help protect against loss or theft. These companies recognize the rigor that goes into a FIPS 140-2 certification, find it to be the preferred standard for security, and choose to depend on this standard for their own encryption needs.

Seagate Secure Self-Encrypting Drives

- Protect your data at rest
- Comply with FIPS 140-2 Level 2 encryption requirements
- Make your job easier and give you peace of mind

¹ NIST maintains a list of all commercially available products that have been FIPS 140-2 Validated.

Go to: <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>

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Enterprise Self-Encrypting Drives

Family Platform	Model Number ¹	Part Number	Segment	AFR/MTBF	Capacity ²	Interface	RPM	Cache (MB)	Warranty (yrs)	Recommend this if the customer needs...
Savvio® 15K	ST9146752SS	9LD066	2.5-Inch Enterprise Performance	0.55%/1.6M hrs	146GB	6Gb/s SAS	15K	16	5	High-performance storage for 15K-RPM, 2.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology
	ST973352SS	9LC066			73GB		15K	16	5	
	ST9146652SS	9WZ066			146GB		15K	16	5	High-performance storage for 15K-RPM, 2.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology. FIPS 140-2 Certified Self-Encrypting Drives
	ST973252SS	9WY066			73GB		15K	16	5	
Savvio 10K	ST9600104SS	9PP066	2.5-Inch Enterprise Mainstream	0.44%/2.0M hrs	600GB	6Gb/s SAS	10K	16	5	Mainstream storage for 10K, 2.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology
	ST9450304SS	9PZ066			450GB		10K	16	5	
	ST9300503SS	9LB066		0.55%/1.6M hrs	300GB		10K	16	5	
	ST9146703SS	9LA066			146GB		10K	16	5	
	ST9600004SS	9XD066		0.44%/2.0M hrs	600GB		10K	16	5	Mainstream storage for 10K, 2.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology. FIPS 140-2 Certified Self-Encrypting Drives
	ST9450204SS	9XC066			450GB		10K	16	5	
	ST9300403SS	9XB066		0.55%/1.6M hrs	300GB		10K	16	5	
	ST9146603SS	9XA066			146GB		10K	16	5	
Constellation®	ST9500431SS	9SU246	2.5-Inch Enterprise Low Power	0.73%/1.2M hrs	500GB	6Gb/s SAS	7200	16	5	Highest-capacity 2.5-inch SAS storage with lowest power consumption and Self-Encrypting Drive (SED) technology
	ST9500432SS	9XF246			500GB		7200	16	5	High-performance storage for 2.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology. FIPS 140-2 Certified Self-Encrypting Drives
Cheetah® 15K	ST3600957SS	9PX066	3.5-Inch Enterprise Performance	0.55%/1.6M hrs	600GB	6Gb/s SAS	15K	16	5	High-performance storage for 3.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology
	ST3450757SS	9PW066			450GB		15K	16	5	
	ST3300557SS	9PV066			300GB		15K	16	5	
	ST3600857SS	9XJ066			600GB		15K	16	5	High-performance storage for 3.5-inch enterprise server and external storage solutions with Self-Encrypting Drive (SED) technology. FIPS 140-2 Certified Self-Encrypting Drives
	ST3450657SS	9XH066			450GB		15K	16	5	
	ST3300457SS	9XG066			300GB		15K	16	5	
Constellation ES	ST32000445SS	9ST248	3.5-Inch Enterprise Mainstream	0.73%/1.2M hrs	2TB	6Gb/s SAS	7200	16	5	Highest-capacity 3.5-inch mainstream storage with nearline SAS performance, data integrity and Self-Encrypting Drive (SED) technology
	ST31000425SS	9ST244			1TB		7200	16	5	
	ST3500415SS	9ST242			500GB		7200	16	5	
	ST32000446SS	9XE248			2TB		7200	16	5	Highest-capacity 3.5-inch mainstream storage with nearline SAS performance, data integrity and Self-Encrypting Drive (SED) technology. FIPS 140-2 Certified Self-Encrypting Drives
	ST31000426SS	9XE244			1TB		7200	16	5	
	ST3500416SS	9XE242			500GB		7200	16	5	

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Laptop Self-Encrypting Drives

Family Platform	Model Number	Part Number	Segment	FF (in)	Capacity ²	Interface	RPM	Cache (MB)	Warranty (yrs)	Recommend this if the customer needs...
Momentum 7200	ST9500421AS	9PT144-500	Laptop Performance	2.5	500GB	SATA 3Gb/s	7200	16	3	Highest-capacity, high-performance 2.5-inch drive with maximum data encryption security
	ST9500422AS	9PU144-500		2.5	500GB	SATA 3Gb/s	7200	16	3	Highest-capacity, high-performance 2.5-inch drive with maximum data encryption security. FIPS 140-2 Certified Self-Encrypting Drives
	ST9250411AS	9JA152		2.5	250GB	SATA 3Gb/s	7200	16	3	Standard-capacity, high-performance 2.5-inch drive with maximum data encryption security
	ST9250412AS	9PU142-500		2.5	250GB	SATA 3Gb/s	7200	16	3	Standard-capacity, high-performance 2.5-inch drive with maximum data encryption security. FIPS 140-2 Certified Self-Encrypting Drives
Momentum 5400	ST9500327AS	9PR134	Laptop Mainstream	2.5	500GB	SATA 3Gb/s	5400	8	3	Highest-capacity, mainstream 2.5-inch drive with maximum data encryption security
	ST9250317AS	9PR132		2.5	250GB	SATA 3Gb/s	5400	8	3	Standard-capacity, mainstream 2.5-inch drive with maximum data encryption security

1 Enterprise Self-Encrypting Drive (SED) models require TCG-compliant host or controller support.

2 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.

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FIPS 140-2 Inside



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