

Product Specification

512 GB Crypto SSD 2.5 SATA III (6Gbps)



FIPS 140-2 Validated - Integral Crypto SSD is the Full Disk Encryption solution for Windows desktops and laptops. Featuring government department approved military-level AES 256-bit Hardware Encryption that has been certified by NIST to meet the strict FIPS 140-2 standard.

- Mandatory encryption
- Secure Entry - Encrypted data cannot be accessed without the correct high-strength 8-16 character alphanumeric password. Before use a high-strength password must be set
- Secure Design - The electronics are sealed in tamperfree epoxy resin
- FIPS 140-2 Validated - Certificate No. 2586
- High-speed Read/Write - up to 450MB/s* and 375MB/s*
- Quick Boot - Using a solid state disk in place of a traditional hard drive can cut your desktop computer or laptop's boot time in half
- Shockproof - no moving parts, so a greater resistance to shock and vibration than HDD
- Silent operation and low heat for a comfortable user experience
- Low power usage - laptop battery will last far longer with SSD than HDD
- Endpoint security software compatible - The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable hardware unique ID feature, which is part of the program
- BIOS Independent - Crypto SSD security system runs independently of your system BIOS, unlike other hardware encrypted SSDs
- Seamless encryption - unnoticeable to the user
- Admin and User passwords are configurable
- 3 year warranty

SKU	INSSD512GS625M7CR140
EAN	5055288425859

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	69.8	100.1	7	76
Packaging	161	15	230	157

Capacity (GB)	512
Form factor	2.5"
ECC (Y/N)	Y
Mean time between failures (MTBF) (hour)	1000000
Flash type	MLC
NVMe (Y/N)	N
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Data transfer rate (GB per second)	6
Read speed (MB per second)	450
Write speed (MB per second)	375
Operating voltage (Volt)	5
Encryption standard	256-bit AES
Encryption certification	FIPS 140-2
Hardware encryption (Y/N)	Y

Interface	Serial ATA III
Operating temperature (T-T) (degrees Celcius)	0 - 70

Storage temperature (T-T) (degrees Celcius)	-40 - 85
Operating shock (gravity)	500
Operating vibration (gravity)	20
Certification	CE, FCC, UKCA