Product Specification

1 TB (1000 GB) CRYPTO SSD SATA III 2.5 (2020 MODEL)

FIPS 140-2 Level 3 Validated -Integral Crypto SSD SATA III 2.5 is the Full Disk Encryption solution for Windows desktops and laptops. If a PC or laptop with an Integral Crypto SSD installed is lost or stolen, sensitive data is secure and cannot be accessed without the high-strength password. When the system is shut down, 256-bit full disk encryption is instigated.

- 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
- Tamper-proof Design - The electronics are sealed in tamperfree epoxy resin
- FIPS 140-2 Level 3 Validated - Certificate No. 3970
- High-speed Read/Write - up to 550MB/s* and 530MB/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	INSSD1TS625C140
EAN	5055288445024

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	60.85	100	7	76
Packaging	161	230	15	157

Capacity (GB)	1000
Component for	PC/Laptop
Form factor	2.5"
ECC (Y/N)	Y
Mean time between failures (MTBF) (hour)	1600000
Flash type	TLC
NVMe (Y/N)	N
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	550
Write speed (MB per second)	530
Random read (4KB) (Input/Output Operations Per Second)	99000
Random write (4KB) (Input/Output Operations Per Second)	91000
Sequential read speed (ATTO) (MB per second)	550
Sequential write speed (ATTO) (MB per second)	530
Operating voltage (Volt)	5

Power consumption (read) (Watt)	2.1
Power consumption (write) (Watt)	1.7
Encryption standard	256-bit AES
Encryption certification	FIPS 140-2 Level 3
Hardware encryption (Y/N)	Y

Interface	SATA III 6Gbps.
Operating temperature (T-T) (degrees Celcius)	0-70
Storage temperature (T-T) (degrees Celcius)	-40 - 85
Certification	CE, FCC, UKCA, RoHS, UL