

# Product Specification

## 256 GB Crypto M.2SATA (6Gbps) 22X80



FIPS 140-2 Validated - Integral Crypto M.2 SSD is the Full Disk Encryption solution for Windows laptops and Ultrabooks. 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 330MB/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

<b>SKU</b>	INSSD256GM2M2280C140
<b>EAN</b>	5055288428232

	<b>Width (mm)</b>	<b>Depth (mm)</b>	<b>Height (mm)</b>	<b>Weight (g)</b>
<b>Product</b>	22	80	3.7	9
<b>Packaging</b>	125	195	16	69

<b>Capacity (GB)</b>	256
<b>Form factor</b>	M.2
<b>ECC (Y/N)</b>	Y
<b>Mean time between failures (MTBF) (hour)</b>	1000000
<b>Flash type</b>	MLC
<b>NVMe (Y/N)</b>	N
<b>S.M.A.R.T. support (Y/N)</b>	Y
<b>TRIM support (Y/N)</b>	Y
<b>Data transfer rate (GB per second)</b>	6
<b>Read speed (MB per second)</b>	450
<b>Write speed (MB per second)</b>	330
<b>Operating voltage (Volt)</b>	3.3
<b>Encryption standard</b>	256-bit AES
<b>Encryption certification</b>	FIPS 140-2
<b>Hardware encryption (Y/N)</b>	Y

<b>Interface</b>	Serial ATA III
<b>Operating temperature (T-T) (degrees Celcius)</b>	0 - 70

Storage temperature (T-T) (degrees Celcius)	-40 - 85
Certification	CE, FCC, UKCA