

# Product Specification

## 256 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

|            |                   |
|------------|-------------------|
| <b>SKU</b> | INSSD256GS625C140 |
| <b>EAN</b> | 5055288445000     |

|                  | <b>Width (mm)</b> | <b>Depth (mm)</b> | <b>Height (mm)</b> | <b>Weight (g)</b> |
|------------------|-------------------|-------------------|--------------------|-------------------|
| <b>Product</b>   | 60.85             | 100               | 7                  | 76                |
| <b>Packaging</b> | 161               | 230               | 15                 | 157               |

|  |           |
|--|-----------|
| <b>Capacity (GB)</b>   | 256       |
| <b>Component for</b>   | PC/Laptop |
| <b>Form factor</b>   | 2.5"      |
| <b>ECC (Y/N)</b>   | Y         |
| <b>Mean time between failures (MTBF) (hour)</b>                | 1600000   |
| <b>Flash type</b>  | TLC       |
| <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>Read speed (MB per second)</b>                              | 550       |
| <b>Write speed (MB per second)</b>                             | 530       |
| <b>Random read (4KB) (Input/Output Operations Per Second)</b>  | 98000     |
| <b>Random write (4KB) (Input/Output Operations Per Second)</b> | 90000     |
| <b>Sequential read speed (ATTO) (MB per second)</b>            | 550       |
| <b>Sequential write speed (ATTO) (MB per second)</b>           | 530       |
| <b>Operating voltage (Volt)</b>                                | 5         |

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

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