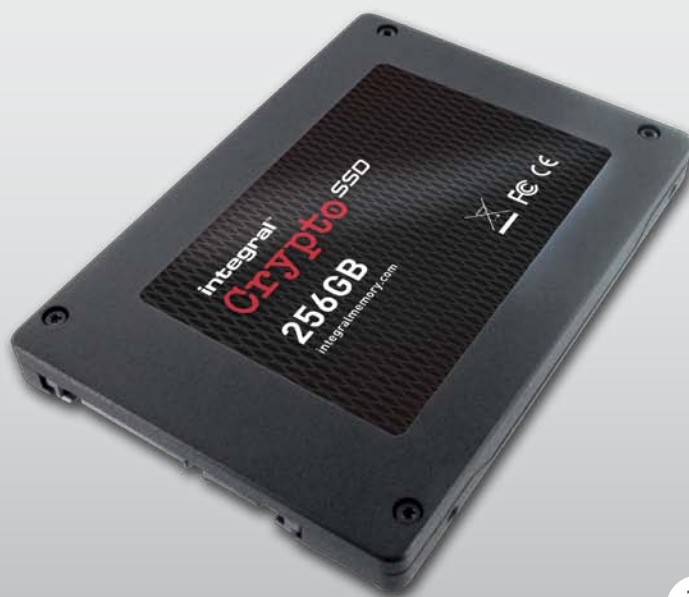


Crypto SSD



32 GB

64 GB

128 GB

256 GB

INTRODUCTION

The Integral Crypto SSD is the ideal solution for data protection. As the user saves data, all files are automatically hardware encrypted on-the-fly, without any user intervention.

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.

Crypto SSD is the no-fuss and highly-secure solid state encryption solution for many industries including; finance, legal, health, education and government.

FEATURES

- **Military level security with AES 256-bit hardware encryption** - More secure than a software-only solution.
- **FIPS 197 Validated** - Certificate No. 1832
- **Multi-lingual interface** – in 13 languages*

Security Features

- **Dual Password** - As an option an Administrator can setup a user password and a master override password. If the user forgets their password, the Crypto SSD can be unlocked by the Administrator and the user password reset.
- **Total Drive Encryption** - All data stored on the Crypto SSD is encrypted (including the Operating System).
- **Secure Entry** - Encrypted data cannot be accessed without the correct high-strength 8-16 character alphanumeric password. An optional password hint can be set-up which cannot be the same as the password. Before use a high-strength password must be set.

- **Brute-Force Password Attack Protection** - Encrypted data is automatically erased after the default 6 failed password attempts (password attempts configurable to a maximum of 20). The data and encryption key are securely destroyed and the Crypto SSD is reset and can then be reused.

- **Anti-Clone** - Crypto SSD cannot be cloned once encryption is set.

- **Rugged Design** - The electronics are sealed in tamper-free epoxy resin and then shielded by a steel outer case.
- **High-speed Read/Write** – The Crypto SSD has both high encryption and the main benefit of a standard SSD; a high-speed sustained data transfer rate. Read and Write times are up to 240MB/s.
- **Quick Boot** - Using a Crypto SSD in place of a traditional HDD can cut your desktop computer or laptop's boot time in half.
- **No moving parts** - greater resistance to shock and vibration
- **Noise free** - no spin or seek time
- **Endpoint security software compatible** – The Integral Crypto SSD operates comfortably with endpoint security solutions by using the configurable unique ID feature, which is part of the software
- **Warranty** – 2 Years

Green Computing

- Uses 1/10 of the power of a normal spinning disk HDD
- Extends laptop battery life
- Super low power consumption during operation and sleep modes

Technical Features

- MLC-NAND Flash Technology
- SATA II 2.5"
- SATA Revision 2.6 compliant
- TRIM option
- S.M.A.R.T. option
- Power management supported
- 128MB DDR Cache Buffer
- CE and FCC certified and RoHs compliant
- Compatible with Windows XP, Vista and 7

PERFORMANCE & INTERFACE	
Read	240MB/s (max)
Write	200MB/s (max)
Interface	SATA II (SATA 1.5Gbps and 3Gbps)
RELIABILITY	
Wear levelling	Static & Dynamic
MTBF	1,000,000 hours
ECC	48/32/28 bit per 2KB
Data Retention	10 years
POWER CONSUMPTION	
Power requirement	5V
Read Mode	1.4W*
Write Mode	4.7W*
Sleep Mode	0.2W
*This data is measured by Fluke 287 multimeter and the capacity is 128GB with 16 chips	
ENVIRONMENTAL	
Operating Temp	0° - +70°C
Non - Operating Temp	-40° - +85°C
Humidity	RH=95% under 55°C
Vibration	20G (80-2000Hz)
Shock	1,500G (0.5msec)
PHYSICAL	
Length	100.1mm
Width	69.9mm
Height	9.3mm
Weight	76(g)

*13 languages supported by the software GUI -

- | | |
|-----------|--------------|
| - Arabic | - Italian |
| - Chinese | - Norwegian |
| - Dutch | - Polish |
| - English | - Portuguese |
| - French | - Russian |
| - German | - Spanish |
| - Hindi | - Swedish |

CAPACITY	PART CODE	BARCODE (EAN)
32GB	INSSD32GS25MCRYPTO	5055288417960
64GB	INSSD64GS25MCRYPTO	5055288417977
128GB	INSSD128GS25MCRYPTO	5055288417984
256GB	INSSD256GS25MCRYPTO	5055288417991

Please Note: No security software can be guaranteed 100% secure.

This device should not be used as your sole backup.

Product design and specification subject to change or modification without notice. E&OE.

All trademarks acknowledged.

For products with security software or hardware; the product cannot be guaranteed to be fully secure. No security system can be considered absolute.

For warranty information please visit www.integralmemory.com/warranty