

Crypto SSD



32 GB

64 GB

128 GB

256 GB

INTRODUCTION

The Integral Crypto SSD is the ideal solution for data protection. When the system is shut down, 256-bit full disk encryption is instigated.

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 14 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)

*14 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