

integral™

AES 256 BIT ENCRYPTED USB FLASH DRIVES

FIPS ACCREDITED



Integral Crypto AES 256-bit hardware encrypted USB Drives

USB Flash Drive security is a challenge facing all IT departments and with many governments starting to impose hefty fines, encryption of sensitive data on USB drives is becoming compulsory.

Integral produce a range of AES 256-bit hardware encrypted USB Flash Drives that provide an easy to use, cost effective and highly secure solution that is designed to work with your end-point security.

Our Crypto Drive USB range is FIPS validated and all models have a zero footprint, so no software installation is required. All files transferred to the drive are automatically encrypted and are protected by a mandatory high-strength password. If the Crypto USB is ever lost or stolen, the drive will securely destroy all data after six failed password attempts. Crypto Drives are used and trusted worldwide by government departments, global corporations and SMEs.

New to the range this year are the Integral Crypto DUAL and DUAL+ offering an optional master password override in addition to a high-strength user password. If a user forgets their password the Crypto DUAL and DUAL+ drives can be accessed with a master password by an IT administrator. Crypto DUAL is also compatible with both Windows® and Mac® operating systems. Crypto DUAL+ includes the same features as the Crypto DUAL but in an expanded design, to allow for greater storage capacity, starting at 64GB and 128GB.



See the Integral Crypto Encrypted USB Drives in action at

integralmemory.com/crypto

About Integral Memory plc

Integral Memory was established in 1989 and has been involved in the flash storage industry since its inception. Design, R&D and testing are carried out at our HQ in London, England. We partner with Samsung and Toshiba, the industry leaders in flash technology, to bring cost effective flash memory solutions to the worldwide market. To find out more please visit www.integralmemory.com

User Features



Multi-lingual interface

Simple multilingual interface for "out of the box" use with minimal support; ideal for global corporations.



Zero Footprint

Crypto Drive has a zero footprint - No software installation is required before use.



Personal ID Function

As an option, contact details can be added to the Crypto that can be viewed without compromising encrypted data.



Serial Number

The USB pin on each drive is etched with a unique 7-digit code. This allows a record to be kept of which drive has been allocated to a specific user.

Only available on Crypto 140-2 PC & Mac, Crypto Dual and Crypto Dual+.



OS Compatibility

The Integral Crypto is available in separate PC and Mac editions.

The Integral Crypto Dual and Dual+ are compatible with PCs and Macs

(Windows XP/Vista/7 & Mac OS X).



User Manual

User manual stored on drive.

Security Features



FIPS 140-2 Level 2 Validated - Certificate No. 1424 FIPS 197 Cert No: 1137

Independently and stringently tested for data encryption and protection to the Federal Information Processing Standards (FIPS) managed by NIST (National Institute of Standards and Technology).



AES 256-bit Hardware Encryption

AES 256-bit hardware encryption provides superior security over software encryption. Password comparisons are securely processed on the Crypto hardware.



Mandatory Encryption

All files transferred to the drive are encrypted. A user cannot save unprotected files.



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.



Password Entry Count

The Crypto Drive records the failed entry count. e.g. if the Crypto is removed after 2 failed attempts and reinserted, the drive will resume with the 3rd attempt.



Brute-Force Password Attack Protection

Encrypted data is automatically erased after 6 failed password attempts. The data and encryption key are securely destroyed and the Crypto Drive is reset and can be reused.



Auto-lock

The Crypto drive will automatically encrypt all data and lock; when the drive is removed from the PC, when the screen-saver or "computer lock" function is activated.

Additionally for the Crypto Dual and Dual+ the drive will lock if left idle for more than 10 minutes.



Dual Password

An administrator can set up an optional master password on a drive. A user then sets a user password as normal. A warning is given to the user after the fifth failed password attempt to take the drive to the administrator to unlock the drive by using the master password. The user and master password cannot be the same.

Only available on Crypto Dual and Crypto Dual+.



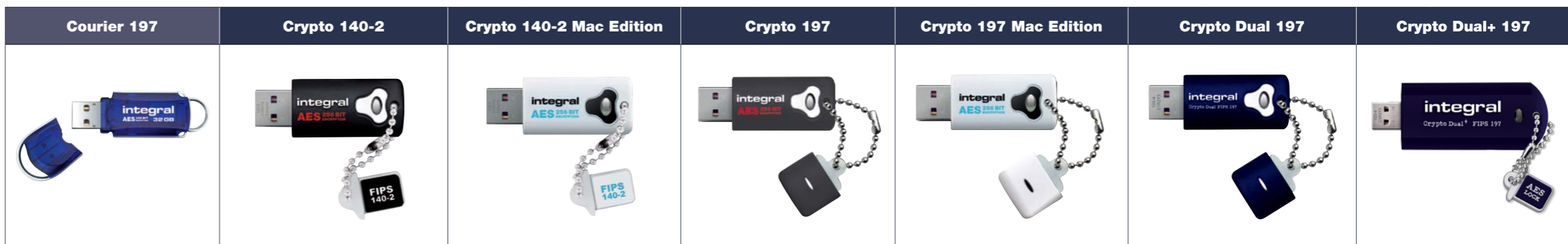
Rugged triple-layer waterproof design

Protects the Crypto Drive against knocks, drops, break-in and submerging in water. The electronics are sealed in epoxy resin and then shielded by a steel inner case. The rubberised silicone outer casing provides a final layer of protection.

Up to 4 ft. water; conforms to IEC 60529 IPX8.

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AES 256 BIT ENCRYPTION



Specs														
Available Capacities	2GB, 4GB, 8GB, 16GB, 32GB		2GB, 4GB, 8GB, 16GB, 32GB		2GB, 4GB, 8GB, 16GB, 32GB		2GB, 4GB, 8GB, 16GB, 32GB		2GB, 4GB, 8GB, 16GB, 32GB		2GB, 4GB, 8GB, 16GB, 32GB		64GB, 128GB	
AES 256-bit hardware encryption	✓		✓		✓		✓		✓		✓		✓	
FIPS Validation	197		140-2 Level 2		140-2 Level 2		197		197		197 (Pending 140-2 Level 2)		197 (Pending 140-2 Level 2)	
Mandatory encryption of all files	✓		✓		✓		✓		✓		✓		✓	
Zero Footprint - No software required	✓		✓		✓		✓		✓		✓		✓	
Compatible with Endpoint security software	✓		✓		✓		✓		✓		✓		✓	
Works on Windows without administrator privileges	✓		✓		-		✓		-		✓		✓	
Works on Mac OS X without administrator privileges	-		-		✓		-		✓		✓		✓	
Secure Entry - Password Mandatory	✓		✓		✓		✓		✓		✓		✓	
High-Strength Password Enforcement	✓		✓		✓		✓		✓		✓		✓	
Brute-Force Password Attack Protection	✓		✓		✓		✓		✓		✓		✓	
Auto-Lock	✓		✓		✓		✓		✓		Locks if PC is idle for more than 10 mins		Locks if PC is idle for more than 10 mins	
Password Entry Count	✓		✓		✓		✓		✓		✓		✓	
Personal ID Function	✓		✓		✓		✓		✓		✓		✓	
Rugged triple-layer waterproof design	-		✓		✓		✓		✓		✓		✓	
User manual stored on drive	✓		✓		✓		✓		✓		✓		✓	
Multi-lingual interface	24 Languages		24Languages		6 Languages		24 Languages		6 Languages		26 Languages		26 Languages	
Dual Password	-		-		-		-		-		✓		✓	
Dual OS - PC & Mac compatible	-		-		-		-		-		✓		✓	
4 Channel access (faster read & write speeds)	-		-		-		-		-		-		✓	
Serial Number Etching	Available on request		✓		✓		Available on request		Available on request		✓		✓	
	Capacity	Part Code	Capacity	Part Code	Capacity	Part Code	Capacity	Part Code	Capacity	Part Code	Capacity	Part Code	Capacity	Part Code
	2GB	INFD2GBCOUAT	2GB	INFD2GCRYPTO140-2	2GB	INFD2GCRYPTOMC140-2	2GB	INFD2GCRYPTO197	2GB	INFD2GCRYPTOMAC197	2GB	INFD2GCRYPTODL197	64GB	INFD64GCRYDLPL197
	4GB	INFD4GBCOUAT	4GB	INFD4GCRYPTO140-2	4GB	INFD4GCRYPTOMC140-2	4GB	INFD4GCRYPTO197	4GB	INFD4GCRYPTOMAC197	4GB	INFD4GCRYPTODL197	128GB	INFD128GCRYDLPL197
	8GB	INFD8GBCOUAT	8GB	INFD8GCRYPTO140-2	8GB	INFD8GCRYPTOMC140-2	8GB	INFD8GCRYPTO197	8GB	INFD8GCRYPTOMAC197	8GB	INFD8GCRYPTODL197		
	16GB	INFD16GBCOUAT	16GB	INFD16GCRYPTO140-2	16GB	INFD16GCRYPTOMC140-2	16GB	INFD16GCRYPTO197	16GB	INFD16GCRYPTOMAC197	16GB	INFD16GCRYPTODL197		
	32GB	INFD32GBCOUAT	32GB	INFD32GCRYPTO140-2	32GB	INFD32GCRYPTOMC140-2	32GB	INFD32GCRYPTO197	32GB	INFD32GCRYPTOMAC197	32GB	INFD32GCRYPTODL197		

AES 256 bit Security Edition USB

Courier

The Integral Courier Flash Drive is available in Advanced Encryption Standard (AES) Security Edition. The AES 256 bit Security Edition flash drives ensure 100% privacy with a mandatory encryption of all files stored on the Flash Drive.



- Stylish translucent blue casing
- Cap stores on base when Drive is in use
- FIPS 197 - Military Level Security – AES 256 bit hardware encryption. Mandatory encryption of all files (100% privacy)
- Secure Entry - Data cannot be accessed or removed without the correct high strength 8-16 character password
- Brute-force Password Attack Protection – Data will be automatically erased after 6 failed access attempts and Drive reset
- Personal ID Function (optional) – Contact details can be added so that Drive can be returned, whilst confidential data remains secure
- Zero Footprint – No software installation required
- Easy To Use - Pre-loaded user interface in 22 languages
- 2 year warranty
- Unique ID and personalisation available

Capacity	Part Code
2GB	INFD2GBCOUAT
4GB	INFD4GBCOUAT
8GB	INFD8GBCOUAT
16GB	INFD16GBCOUAT
32GB	INFD32GBCOUAT

AES 256 bit Encryption Software USB

Secure 360

The Integral Secure 360 Flash Drive has a clever design allowing the USB socket to rotate 360° inside the casing, providing easy access to your data and eliminating the need for a cap. Secure 360 includes 'Secure Lock' 256 bit AES encryption software, so you can protect valuable and sensitive data on the move. 'Secure Lock' has an easy to use drag and drop interface for on the fly encryption.

- Capless design, casing rotates 360°
- Stylish black casing
- Includes 'Secure Lock' 256 bit encryption software (Windows®)
- Intelligent Protection - Data will be automatically erased after 10 failed access attempts. Drive is then reset and can be re-used
- Drag and drop interface for on the fly encryption
- 2 year warranty
- Unique ID and personalisation available



Capacity	Part Code
2GB	INFD2GB360SEC
4GB	INFD4GB360SEC
8GB	INFD8GB360SEC
16GB	INFD16GB360SEC
32GB	INFD32GB360SEC

Titan

Offering up to 128GB Titan includes 'Secure Lock' 256 bit AES encryption software, so you can protect valuable and sensitive data on the move. 'Secure Lock' has an easy to use drag and drop interface for on the fly encryption.

- Supreme storage capacity
- Aluminium casing
- Complete with neck lanyard
- Includes 'Secure Lock' 256 bit AES encryption software (Windows®)
- Intelligent Protection - Data will be automatically erased after 10 failed access attempts. Drive is then reset and can be re-used
- Drag and drop interface for on the fly encryption
- 2 year warranty
- Unique ID and personalisation available



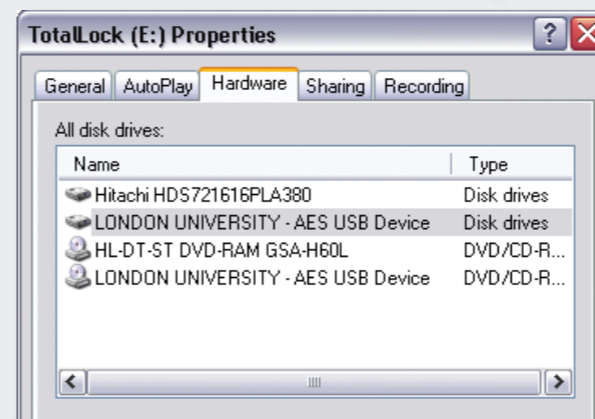
Capacity	Part Code
64GB	INFD64GBTITANSL
128GB	INFD128GBTITANSL

Unique ID

The Integral hardware encrypted Flash Drive range can be personalised with a designated company identifying name or number. This will allow a Network Administrator to block access to unrecognised USBs for security purposes, whilst allowing the Integral encrypted Flash Drive to function as the 'official' company drive.

During production a personalised tag (e.g. "LONDON UNIVERSITY") can be embedded into the Crypto that can be viewed on a PC. The tag gives Endpoint software a convenient way to identify Integral Crypto Drives.

Each drive can be personalized further (upon request) with an individual user specific personal tag e.g "LONDON UNIVERSITY - USER1234" if required.



Customisation

Customisation Available - Your own serial number etching, Flash Drive and GUI can be customised to suit your brand (subject to minimum order quantities).



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