ViaSat

Eclypt® Core
Encrypted Internal Hard Drives

ACCREDITED SECURE DATA-AT-REST PROTECTION

UNITED KINGDOM	UNITED STATES*	CANADA**	NATO
CAPS *CESG Assisted Products Service*	FIPS APPROVED 140-2	Government Approved Canada	

TOUCH MEMORY TOKEN

KEYSTONE USB TOKEN

Will your data be safe if your laptop is stolen? Think again. »»» A laptop is stolen every 53 seconds, and there's one in ten chance that your laptop will stolen this year[1]. Millions of computers are lost or stolen annually, putting classified and sensitive data at risk of breach. The Eclypt Core encrypted internal hard drive can be used in any commercial-off-the-shelf (COTS) computer to protect data-at-rest with accredited hardware-based security. In the event of computer theft, loss, or attack, Eclypt ensures that your data is completely protected, secure, and unstealable.

» Hardware-based data storage encryption trusted by governments, military forces, and law enforcement agencies worldwide.

» Complete range of hard drive configurations available (Core 600, 400, 300, and 200) for different levels of protection to choose from based on the security level of your data.

» Eclypt Core is a direct replacement for any COTS computer's standard hard drive.

» Solid State Disk option provides increased performance and greater operating ranges.

ECLYPT

Eclypt integrates sophisticated authentication, entire disk encryption and data storage into tamper-resistant internal or portable hardware that safeguards your data. This provides instant data protection without any noticeable adverse effects on your computer's performance.

Eclypt® Core Protection Options

PROTECTION LEVEL	ECLYPT	UNITED KINGDOM PROTECTIVE MARKING — CAPS (CESG Assisted Products Service)	UNITED STATES CLASSIFICATION	CANADA PROTECTIVE MARKING — Government Approved Canada	NATO ACCREDITATIONS
	CORE 600	Enhanced: Secures Top Secret & Secret; Reduces Protective Marking by 2 levels	Contact ViaSat for more information *Expected to be submitted for US government certification	Secures Top Secret, Secret, and Protected C Data**; Drops security classification down 2 levels	Secures up to NATO Secret Data
	CORE 400	Baseline+: Secures up to Confidential (Impact Level 4); Reduces Protective Marking by 1 level			
	CORE 300	Baseline: Secures up to Restricted (Impact Level 3); Reduces Protective Marking by 1 level			Secures up to NATO Restricted Data
	CORE 200	Secures up to Protect (Impact Levels 1 & 2)	Secures Sensitive (Unclassified) Data	Secures Protected A&B (Unclassified) Data	Secures Sensitive (NATO Unclassified) Data

AT-A-GLANCE

» Encrypts and decrypts your data immediately and invisibly with no noticeable effects on the computer's performance

» Independent of any operating system, application, service pack or software patch

» Unique tamper-proof and tamper-evident construction

» Data is secure even if your drive is stolen

» Requires no specialist IT knowledge

» 128 user accounts per drive

» Multiple user profiles — 3-tier management system

» Lifetime key (user-defined on Core 200)

» Microsoft® Windows®-based User Account Management software provides easy to use management functionality

» Supports imaging, ghosting, partitioning and diagnostic applications

» Non-volatile keys stored within tamper proof device, protected by AES-256 keywrap

» Optional Eclypt Orion provides easy-to-use Central Management Server functionality for Eclypt Core 200 devices and users

**CANADA NMSO: E60QE-08RY01/001/QE; AFU pending
NATO NC3A BOA: 13074
*USA: Expected to be submitted for US government

INTERNAL HARD DRIVE SPECIFICATIONS

CAPACITIES
» **HDD**
320GB — Standard 2.5-inch drive form factor; 11.5mm depth
120GB — Standard 2.5-inch drive form factor; 9.5mm depth
» **SSD**
128GB — Standard 2.5-inch drive form factor; 9.5mm depth
256GB — Standard 2.5-inch drive form factor; 9.5mm depth

INTERFACE
» ATA-7/6/5/4/3/2 compliant
» Serial ATA

COMPATIBILITY
» Plug-and-play installation in any brand of COTS computer; direct replacement for a computer's standard hard drive
» Operating System & Service Pack Independent
» Application Software Independent

ENCRYPTION
» AES-256 (FIPS 197) in CBC mode
» Statistically unique per-unit Initial Vector

SECURITY
» Encryption key positively erased
» No plain text
» Encryption key never leaves Eclypt hardware
» Every disk sector is encrypted

AUTHENTICATION
» **Core 600:** Two-factor authentication at boot up — one 9-character Clearview password and either one Touch Memory token or one KeyStone USB token
» **Core 400:** 15-character Clearview password authentication
» **Core 300:** 14-character Clearview password authentication
» **Core 200:** Optional two-factor authentication — password and KeyStone USB token, with local resetting capabilities. Keys can be internally generated or user defined.

CONTACT

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