Eclypt® Core
Encrypted Internal Hard Drive

ACCREDITED SECURE DATA-AT-REST PROTECTION

UNITED KINGDOM	CANADA	NATO
CAPS — CESG Assisted Products Service	Government Approved Canada	
APPROVED FOR TOP SECRET & BELOW	APPROVED FOR TOP SECRET & BELOW	APPROVED FOR SECRET & BELOW

VIASAT'S ECLYPT RANGE CONTINUES TO EVOLVE — THE ECLYPT CORE 7mm IS NOW AVAILABLE

WikiLeaks. Compromised mobile platforms and overrun positions. Stolen information. »»»

Data breach threats loom daily, putting classified and sensitive data at risk. The Viasat Eclypt Core encrypted internal hard drive protects data at rest in commercial-off-the-shelf (COTS) laptop and desktop computers in enterprise and tactical environments, as well as data stored in vehicles, aircraft, and ships. During high-risk operations, this self-encrypting hard drive protects your valuable data on manned and unmanned mobile platforms with accredited hardware-based security. In the event of computer theft, loss, or attack, the hard drive ensures that your data is completely protected and secure.

Viasat's Eclypt technology 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.

NEW »»»»

The Eclypt Core Hard Drive now in 7mm offers:

- **A slimmer drive for the smaller device**
- **Solid state drive**
- **Greater compatibility—fits with the newest laptops currently shipping from manufacturers**

ECLYPT CORE AT-A-GLANCE

- Hardware-based full-disk encrypted hard drive that is a direct replacement for a COTS computer's standard hard drive
- Solid State Disk (SSD) option provides increased performance, more durability, and greater operating ranges
- Complete range of protection level configurations available (600, 300, and 200) to choose from based on the security classification of your data
- Encrypts and decrypts your data immediately and invisibly with no noticeable effects on computer 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 specialized IT knowledge
- Up to 128 user accounts per drive
- Multiple user profiles—3-tier management system
- Lifetime key
- Windows/Linux based software provides easy to use management and authentication functionality
- Supports imaging, ghosting, partitioning and diagnostic applications
- Non-volatile keys stored within tamper proof device, protected by AES-256 keywrap
- Optional Eclypt Management Software provides simultaneous management of groups of Eclypt Core and Freedom devices.

Viasat Eclypt Core Protection Options

PROTECTION LEVEL

VIASAT ECLYPT CONFIGURATIONS	UNITED KINGDOM SECURITY CLASSIFICATION (CAPS)	UNITED STATES CLASSIFICATION	CANADA SECURITY CLASSIFICATION (Government Approved Canada)	NATO ACCREDITATIONS
600	Secures Top Secret & Below		Secures Top Secret & Below	Secures NATO Secret & Below
300	Secures Restricted or Official-Sensitive (Impact Level 3) & Below			Secures NATO Restricted & Below
200	Secures up to Protect or Sensitive (Impact Levels 1 & 2)	Secures Sensitive (Unclassified) Data	Secures Protected A&B (Unclassified) Data	Secures Sensitive (NATO Unclassified) Data

SPECIFICATIONS

CAPACITIES

Core 7mm

- **SSD** 256 GB
- **SSD** 512 GB
- **SSD** 1 TB

INTERFACE

- SATA specification, Revision 2.6

COMPATIBILITY

- Easy installation in most COTS computers; direct replacement for a computer's standard hard drive
- Operating system and service pack independent
- Application software independent

ENCRYPTION

- Suite B Algorithms: AES-256 (FIPS 197) in CBC mode
- Statistically unique per-unit initial vector

SECURITY

- Encryption key positively erased
- Encryption key never leaves Viasat Eclypt hardware
- Every disk sector is encrypted

OPERATING SYSTEMS SUPPORTED

- Windows 7/8/10 (32 and 64 bit)
- Linux (RPM, Debian, Gentoo and Slackware)
- Microsoft Windows Server 2003/2008/2012/2016

AUTHENTICATION

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

PHYSICAL

Core 7mm

- **Dimensions** Standard 2.5 in. drive form factor; 7mm
- **Power**
  - **SSD 256GB/512GB** 2.2W (idle), 3.1W (typical)
  - SSD 1 TB 3W (idle), 10W (max)

ENVIRONMENTAL—SOLID STATE DISK

- **Temperature**
  - **Operating** 0° to +65° C; (1TB 0° to +50° C)
  - **Non-Operating** 40° to +85° C
  - Other options are available (by request)
- **Altitude**
  - **Operating** Up to 80,000 ft
  - **Non-Operating** Up to 80,000 ft
- **Humidity (Non-Condensing)** 5% to 95% relative
- **Shock** 40g/11ms
- **Vibration** 17g RMS (5 to 2000Hz)
- **Crypto Sanitization** <1 sec
- **Reliability (MTBF/hours)** >1 million

NATIONAL ORDERING FRAMEWORKS

CANADA NMSO: E60QE-16CR04/001/QE
NATO NC3A BOA: 13074

CONTACT

UNITED KINGDOM Farnborough **TEL** +44 (0) 1252 248667 **FAX** +44 (0) 1252 248602 **EMAIL** sales@viasat.uk.com

UNITED STATES San Diego **TEL** +1 760 476 4755 **FAX** +1 760 683 6815 **EMAIL** insidesales@viasat.com

Copyright © 2019 Viasat, Inc. All rights reserved. Viasat and the Viasat logo are registered trademarks of Viasat, Inc. All other product or company names mentioned are used for identification purposes only and may be trademarks of their respective owners. Specifications and product availability are subject to change without notice.Watchkeeper UAV photo by Peter Russell, LBIPP/MOD. [1]When powered down or zeroized. 448066-171023-061