



When disaster strikes, the ViaSat KG-200 Inline Media Encryptor (IME) foils threats to national security. Developed and certified by the NSA, the Type 1 KG-200 protects classified Data at Rest (DAR) at Top Secret and below. Best suited for desktop, workstation, and server computers, the KG-200 IME is designed to conveniently fit between your computer's motherboard and hard drive. In the event that a classified computer is lost, stolen, or tampered with, its hard drive remains encrypted so no classified information is compromised. Simply remove the KG-200's Crypto-Ignition Key (CIK) to quickly and easily secure your hard drive.

Part of ViaSat's growing family of Information Assurance products, the KG-200 is the first NSA certified Type 1 media encryption device that can be installed into any computer, eliminating the need to remove and lock up your hard drive when not in use.

Protect your classified data at rest and forget the logistics.

APPLICATIONS—HOW THE KG-200 CAN HELP YOU

- » Classified DAR Compliance (J-6 6510.01E directive)
- » Desktop or Workstation Users
- » Remote Military Outposts
- » Eliminate Need For Classified Network
- » SCIFs and Embassies
- » Easier DAR Storage and Transportation

TS/SCI DAR ENCRYPTION FOR DESKTOPS

EASY TO INSTALL, USE, AND STORE

- » Fits into a standard 5.25 in drive bay
- » Encryption eliminates classified data storage and transportation requirements
 - Encrypted hard drive is always unclassified—No need to lock it up in a safe!
 - Just remove the CIK to handle the KG-200 as an unclassified CCI device
 - Key multiple IMEs stored at different locations the same so only the unclassified, encrypted hard drive needs to be transported*
- » To operate, simply insert the CIK, turn it, enter the 4-digit PIN and you're ready to go!
- » Transparently encrypts and decrypts data written to and read from the computer's drive as information is accessed by the user
- » Continuous hard drive encryption operates in real-time without slowing down the workstation's processing speed
- » Supports up to ten user accounts

MEETS SECURITY STANDARDS

- » NSA Certified for TS/SCI and below data
- » Two-factor authentication – requires a CIK (“something you have”) and PIN (“something you know”) for access
- » Provides Emergency Data Destruction without destroying equipment or losing data
- » Meets NSA's Crypto Modernization Initiative (CMI) and Key Management Infrastructure (KMI) standards

INTELLIGENT KEY MANAGEMENT

- » CIK renders device unclassified when removed
- » Self-generating storage key; no key distribution required
- » In the case of zeroization, mechanisms are in place for data recovery and retrieval

HARDWARE AND SOFTWARE INDEPENDENT

- » Supports both SATA and PATA interfaces
- » Compatible with all standard operating systems including Microsoft® Windows® 2000/XP/Vista/7, Linux®, and Apple® Mac OS® X

AVAILABLE TODAY

- » The KG-200 is already NSA certified and available for use now

Inline Hardware Encryptor to Protect Classified Data at Rest

SPECIFICATIONS

KG-200 INTERFACES

Electrical/Mechanical ATA-6 / Ultra ATA-100 / SATA 1.5 / SATA 3.0

Physical Serial ATA (SATA 2) 3 Gbps / Parallel ATA (PATA) 800 Mbps

Crypto Throughput Speed 800 Mbps

Disk Size Supports all standard drive sizes

Power Supplied by host computer (1.2 amps typical, 1.7 amps maximum)

SECURITY CHARACTERISTICS

Algorithms Protects Data TS/SCI and Below using AES-256 Type 1 Suite B

Key Fill Interface None required – self-generating storage key

Flexibility Modular, Reprogrammable Architecture

Crypto Ignition Key CIK Removal to Unclassified CCI

Emergency Zeroization Meets requirements for rapid zeroization

Tamper Protected

PHYSICAL

Dimensions (WHD) 5.8 x 1.6 x 7.125 in; Standard 5.25 in drive bay form factor

Weight 2.1 lbs

RELIABILITY AND MAINTENANCE

Predicted MTBF 66,000 hours ground benign

Predicted MTTR Ten minutes mean time to replace

Built In Test Power up BIT

Software / Firmware Updates Field upgradeable

ENVIRONMENT

Operating Temperature -10°C to 40°C

Storage Temperature -29°C to 70°C

Humidity Up to 90% (Non-Condensing)

CERTIFICATION

NSA Type 1 Certified for TS/SCI and below

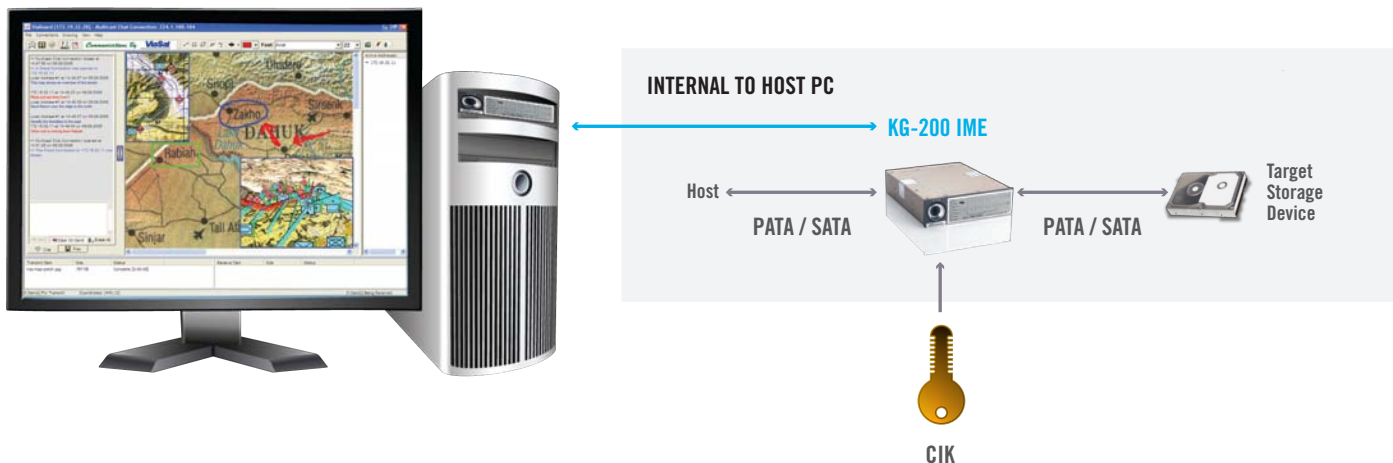
CUSTOMIZATION

Variations in interfaces, functionality, ruggedness, and form factor can be customized to suit your specific requirements. Contact ViaSat to discuss your specific DAR protection requirement

TRUSTED SUPPORT

1-year warranty included; optional multi-year warranty available. Free training and 24/7 technical support.

POSITIONED BETWEEN A COMPUTER'S PROCESSOR AND HARD DRIVE



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ViaSat