

**PROTECT YOUR CLASSIFIED DATA. FORGET THE LOGISTICS.****Simple Type 1 Encryption for Classified Computer Workstations**

- ▶ Quickly secures the hard drive in your desktop PC at Top Secret/SCI and below
- ▶ Encryption renders the disk drive unclassified, freeing you from logistics associated with storing classified data
- ▶ No fuss, no muss: Simply insert your CIK, enter your PIN, and watch the LED lights to tell you that you're up and running
- ▶ Self-generating storage key; no key distribution required

Ensure the protection of your classified and sensitive unclassified data and avoid logistical hassles by securing your computer's hard drive with the KG-200 inline media encryptor (IME) from ViaSat. Part of ViaSat's growing family of Information Assurance products, the KG-200 is the first workstation media encryption device that protects classified data at rest (DAR) at Top Secret (TS/SCI) and below, eliminating the need to lock up your classified hard drive in a safe or other designated classified data storage area when not in use. Simply remove the KG-200's Crypto-Ignition Key (CIK) to quickly and easily secure your hard drive with data encrypted. *No safe, no logistics, no hassle.*

Developed and certified by the NSA, the KG-200 Type 1 IME is designed to protect data at rest on classified desktop, workstation, and server computers that use Advanced Technology Attachment (ATA)-6 hard drives. Positioned between a computer's processor and hard drive, this IME transparently encrypts and decrypts classified data written to and read from the computer's drive as information is accessed by the user. The hard drive itself remains encrypted at all times; only the data that the user is accessing is decrypted on the fly and passed to the computer. Since it is encrypted, the drive is unclassified and free of the logistics normally associated with storing and transporting classified data.

While the IME encrypts and decrypts data in real-time as the computer writes and reads the hard drive, its operation is completely transparent to the user. Featuring throughput speeds of 800 Mbit/sec, the KG-200 does not slow down the workstation's processing speed. With support for up to ten user accounts, the KG-200 is ideal for multi-user environments. Hardware and software-independent, the device fits into a standard 5.25" drive bay and is designed to work with any operating system.

When disaster strikes, this IME foils threats to national security. In the event that the classified computer is lost, stolen, or tampered with, its hard drive remains encrypted so no classified information is compromised. The IME also provides Emergency Data Destruction without destroying equipment or losing data.

Protect your data and forget the logistics. Arm your classified workstation computer with certified Type 1 encryption and get the unclassified convenience that only the KG-200 delivers.

**KG-200 At-A-Glance****Easy to Use, Store, and Transport**

- Continuous encryption and decryption is transparent to the user
- Eliminates classified data storage requirements - no need to lock up hard drive in safe!
- IME can be managed as an unclassified CCI device and shipped by commercial carriers - eliminates expensive Defense Courier System charges and inconvenient schedules!
- Allows up to ten different users

**Meets Security Standards**

- NSA-certified GOTS Type 1 encryption
- Protects data at rest classified at TS/SCI and below
- All hard drive physical sectors, used and unused, are encrypted
- Requires a CIK ("something you have") and PIN ("something you know") for access
- Provides Emergency Data Destruction without losing data
- Meets Crypto Modernization Initiative (CMI) standards
- Conforms to the NSA's Key Management Infrastructure (KMI)

**Intelligent Key Management**

- CIK renders device unclassified when removed
- Instantaneous key zeroization
- Self-generating storage key; no key distribution required
- Recovery CIK stored off-site for reconstitution of data

**Hardware- and Software-Independent**

- Works with any ATA-6 hard drive
- Compatible with all standard operating systems including Microsoft® Windows® XP/2000, Linux®, and Apple® Mac OS® X.
- Fits into a standard 5.25" drive bay

**Trusted Support**

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

**Variants Tailored to Meet Your Needs - Talk to Us**

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

# KG-200: Type 1 Inline Media Encryptor for Workstations

## SPECIFICATIONS

### KG-200 INTERFACES

Electrical/Mechanical	ATA-6 / ATA-100
Physical	40-pin connector
Throughput Speed	800 Mbit/sec
Power	Supplied by host computer

### COMSEC CHARACTERISTICS

Algorithms	AES 256 (FIPS-197)
Key Fill Interface	None required – self-generating storage key
Flexibility	Modular, Reprogrammable Architecture
Crypto Ignition Key	CIK Removal to UNCLASSIFIED CCI

### PHYSICAL

Dimensions (WHD)	Standard 5.25" drive bay form factor
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### RELIABILITY AND MAINTENANCE

Predicted MTBF	64,000 Hours Ground Benign
Predicted MTR	Ten minutes mean time to replace
Other	Extensive Power Up & On-Line BIT

### ENVIRONMENT

Operating Temperature	0°C to 30°C
Non-Operating Temperature	0°C to 70°C (TBR)
Humidity	Up to 90% (Non-Condensing)
Shock	MIL-STD-810F Method 516.5 Procedure 1, 20G, 11 ms Sawtooth (TBR)

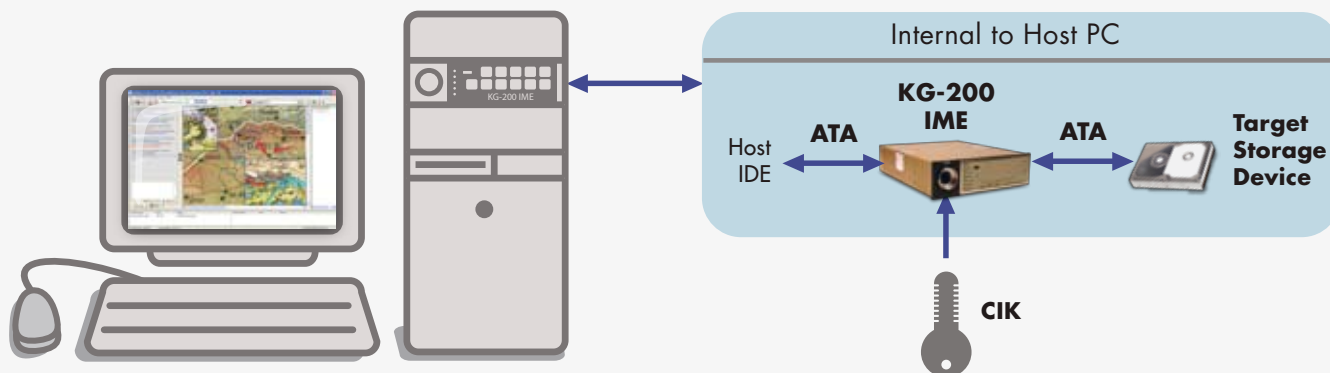
### CERTIFICATION

NSA Certified for TS/SCI and below	
TEMPEST Compliant	NSTISSAM 1/92

### CUSTOMIZATION

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

## POSITIONED BETWEEN A COMPUTER'S PROCESSOR & HARD DRIVE



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