



ViaSat's NSA-developed and field-proven Data at Rest (DAR) protection is now ruggedized to meet MIL-STD-810F and F-15/F-18 Air Worthiness Requirements (AWR) for your extreme missions and tactical platforms. The KG-200R provides Type 1 encryption to protect your classified (TS/SCI) and below DAR. With remote access capabilities and a 3G SATA interface you can easily and quickly secure DAR, even when stowed in an aircraft. Simply install this ruggedized inline media encryptor next to your hard drive so all data is rendered unclassified once encrypted, eliminating the need to remove and lock up your hard drive when not in use.

Built to withstand the temperature, shock, vibration and embeddable requirements of severe airborne, sea and land environments, the KG-200R ensures that classified data is securely encrypted on the hard drive no matter where your mission takes you.

Protect your data at rest in even the most extreme conditions.

### RUGGEDIZED DAR PROTECTION

- » Classified DAR Compliance (J-6 6510.01E directive)
- » ISR Aircraft
- » Helicopters
- » Fighter Jets
- » Remote Military Outposts
- » International Traveling Envoys
- » Any Mission Performed in Severe Environmental Conditions

### TYPE 1 ENCRYPTION FOR TS/SCI DAR

#### FIELD-TESTED PROTECTION AND AUTHENTICATION

- » Based on NSA-certified IME technology for TS/SCI and below
- » Secure 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
- » Self-generating storage key; no key distribution required
- » Meets Crypto Modernization Initiative (CMI) standards
- » Conforms to the NSA's Key Management Infrastructure (KMI)

#### FAST AND CONVENIENT

- » Native 3G SATA interface
- » Continuous hard drive encryption operates in real-time without slowing down the workstation's processing speed
- » Transparent on-the-fly encryption and decryption to secure data as it is being stored or accessed by the user
- » Encryption renders hard drive unclassified at all times

#### SEAMLESS REMOTE ACCESS

- » Remotely activate and deactivate
- » Remotely manage/monitor over an IP network
- » Multiple access options for extreme airborne situations that require zeroization

#### 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

# Ruggedized Hardware Encryptor to Protect Classified Data at Rest

## SPECIFICATIONS

### INTERFACES

**Data Storage** eSATA (3Gbps)  
**Remote Management** Ethernet, TCP/IP  
**Admin Configuration** USB 2.0  
**Power** 5V and 9 Watts  
**Remote Zeroization** Two Pin activation

### SECURITY CHARACTERISTICS

**Algorithms** Protects Data TS/SCI & 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**

### MANAGEMENT

- » Supports up to 10 Users
- » Administrator adds/modifies/deletes users
- » Front Panel enable/disable/zeroize
- » Activation/Deactivation, Zeroization, and Status Via Remote Control User Application (RCUA)

### RELIABILITY AND MAINTENANCE

**Predicted MTBF** 66,000 hours ground benign  
**Predicted MTTR** Five minutes mean time to replace  
**Built In Test** Power up bit  
**Software/Firmware Updates** Field upgradeable

### PHYSICAL

**Dimensions (WHD)** 5.8 x 1.6 x 8.0 in;  
Standard 5.25-inch drive bay form factor  
**Weight** 4 lbs

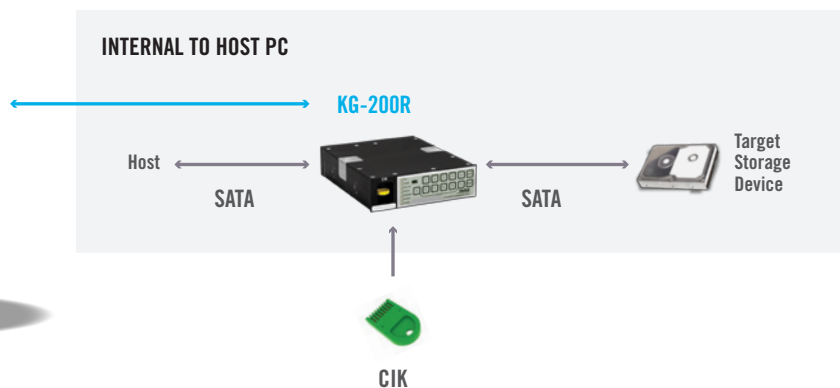
### ENVIRONMENT

**Operating Temperature** -29° C to +55° C  
**Non-Operating Temperature** -40° C to +71° C  
**Operating Altitude** Up to 50,000 ft  
**Non-Operating Altitude** Up to 69,000 ft  
**Humidity (Non-Condensing)** 95%  
**Shock** 15G, 11ms shock as specified in the Flightworthiness requirements Type II (F-15E1 and F/A-18 F1)  
**Vibration** Single vibration environment covering all vibration environments as specified in the Flightworthiness requirements Type II (F-15E1 and F/A-18 F1)  
**Explosive Atmosphere** MIL-STD-810F, Method 511.4  
**EMI/EMC** MIL-STD-461E, Section CE102; 94 dB to 60 dB from 10 kHz to 500 kHz, 60 dB from 500 kHz to 10,000 kHz; MIL-STD-461E, Section RE102; 34 dB from 2 MHz to 100 MHz, 34 dB to 79 dB from 100 MHz to 18,000 MHz

### 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



## CONTACT

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**ViaSat**