

- » Type 1 Top Secret Data at Rest
- » 6U Single Slot Form Factor
- » Airborne and Tactical Vehicles



The Viasat KG-200M provides Type 1 inline media encryption for 6U cPCI computing systems. The Viasat KG-200M was designed for missions that have classified (TS/SCI and below) data at rest (DAR) requirements and is ruggedized for airborne or tactical applications. With the Viasat KG-200M installed, all data stored on your hard drive is seamlessly encrypted and secure at all times.

The Viasat KG-200M includes a 3 Gbps SATA encryption module for installation into a 6U cPCI rack, along with a remote CIK receptacle and removable LED/PIN pad for secure two-factor authentication. For easy access regardless of where your DAR is located in your aircraft or tactical vehicle, the CIK and LED/PIN pad can be wired from the installed encryption module to an area of convenience on your platform, enabling quick admin functionality. Additionally, multiple remote zeroization options can be configured to meet your specific mission needs, keeping your data secure without destroying equipment.

Trust Viasat to keep your classified data at rest protected.

VIASAT KG-200M AT-A-GLANCE

Field-Tested Protection and Authentication

- » NSA-certified Type 1 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

- » 3G SATA encryption module connects directly to a 6U cPCI backplane
- » Continuous hard drive encryption operates in real time without slowing down the processing speed
- » Transparent on-the-fly encryption and decryption to secure data as it’s being stored or accessed by the user
- » Encryption renders hard drive unclassified at all times

Seamless Remote Access

- » Remotely enable and disable cryptographic functioning
- » Remotely manage/monitor over an IP network
- » CIK receptacle and LED/PIN pad can be wired to any location in the platform
- » Multiple configuration options for zeroization requirements

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

SPECIFICATIONS

INTERFACES

Data Storage	SATA (3 Gbps)
Remote Management	Ethernet, 10/100T, TCP/IPv4
Admin Configuration	USB 2.0
Power	5 V and 9 W
Remote Zeroization	Two pin activation
Remote CIK	Included
Removable LED/PIN pad	Included

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 NSA requirements for rapid zeroization
NSA Certifications	Type 1 TS/SCI

MANAGEMENT

Users	Up to 10
Administrative Functions	Device initialization, add/modify/delete users, key management, zeroization recovery, status

RELIABILITY AND MAINTENANCE

Predicted MTTR	Five minutes mean time to replace
Built-In Test	Power up bit
Software/Firmware Updates	Field upgradeable

PHYSICAL

Dimensions (W x H x D)	20.32 x 233.35 x 170.11 mm; Standard 6U cPCI form factor
Weight	3.4 lb (6U cPCI Module and CIK receptacle)

ENVIRONMENT

Temperature	
» Operating	-40° to +71° C
» Non-Operating	-40° to +85° C
Altitude	
» Operating	-1,500 to 27,000 ft
» Non-Operating	Up to 65,000 ft
Humidity (Non-Condensing)	95%
Shock	MIL-STD-810G, 40 g, 11 ms shock
Vibration	MIL-STD-810G, 15 g RMS

TRUSTED SUPPORT

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

REMOTE CIK RECEPTACLE AND LED/PIN PAD



CONTACT

SALES

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TECHNICAL SUPPORT

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