

- » Securely Connecting Classified Networks to and from the Edge of the Battlespace
- » NSA Type 1 TS/SCI & Below Embeddable Cryptosystem
- » Uses 100% Commercial Off-the-Shelf Hardware
- » Programmable and Software-Upgradeable Algorithms, Key Management, and Security Functions



SPECIFICATIONS

CRYPTOGRAPHIC FEATURES

- » NSA Type 1 for TS/SCI & Below communications
- » Complete PSIAM™ cryptographic system module
- » Fully programmable
- » Supports Crypto Modernized Link 16 algorithms and modes
- » Packet-by-packet suite, algorithm, and mode agility
- » Support for data, voice, and video message types
- » Support for in-band header and out-of-band control/status trusted (guarded) bypass
- » DS-101 key fill
- » Certified, hardware-based True Random Number Generator (TRNG)
- » Over-the-Air (OTA) Rekey/remote zeroization
- » Anti-tamper

PERFORMANCE

Throughput	10 Mbps ¹
Simultaneous Active Circuits	512
Simultaneous Active Keys	230
Key Storage Capacity	1,000

INTERFACES

Plaintext, Ciphertext	100 Mbps RGMII, 1.8 V LVCMOS
Power Input	3.6 V Nominal, 3.3-3.96 V (Maximum)
DS-101	3.3 V LVTTTL to external RS-485 transceiver
Control/Status IO	1.8 V LVCMOS, 2.5 V LVCMOS

PHYSICAL

Size (W x H x D)	1.35 x 1.9 x 0.35 in.
Weight	20 g
Power	<1 W processing 10 Mbps traffic

ENVIRONMENTAL

Temperature	
» Operational	-40° to 85° C
» Storage	-55° to 125° C

Altitude	
» Operational	35,000 ft
» Storage	70,000 ft

EMI/EMC FCC Class B

Shock/Vibration MIL-STD-810G

VIASAT LIBRARY OF CRYPTOGRAPHIC FEATURES AVAILABLE FOR IMPLEMENTATION

- » Variety of Suite A and Suite B algorithms and modes
- » Dynamically loadable control and status guard policies
- » Interface to multiple key fill device types
- » Token-based access control
- » PIN-based access control
- » Programmable external interfaces and IO
- » KMI aware
- » Support for higher data rates, up to 100 Mbps
- » Support for Multiple Levels of Security (MLS) when using an approved trusted labeling mechanism

CERTIFICATION

NSA Type 1 for TS/SCI & Below
NSA Nomenclature: KOV-56



CONTACT

SALES

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TECHNICAL SUPPORT

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