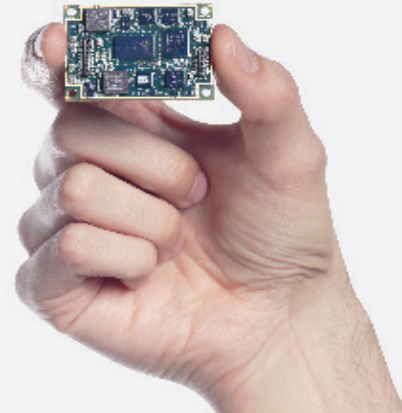


- » Securely Connecting Classified Networks to and from the Edge of the Battlespace
- » NSA Type 1 Secret & Below Embeddable Cryptosystem
- » Non-CCI CHVP
- » Uses 100% Commercial Off-the-Shelf Hardware
- » Programmable and Software-Upgradeable Algorithms, Key Management, and Security Functions
- » Low Logistics Burden: Certificate-Based Self-Generated Keys, Low SWaP, and Simplified Handling



SPECIFICATIONS

CRYPTOGRAPHIC FEATURES

- » NSA Type 1 for Secret & Below communications
- » Non-CCI CHVP simplifies handling logistics
- » PKI certificate-based Self-Generated Keys simplifies key management
- » Complete PSIAM™ cryptographic system module
- » Fully programmable
- » Supports Crypto Modernized Commercial National Security Algorithms (formerly known as Suite B algorithms) and modes
- » Packet-by-packet key and algorithm/mode agility
- » Support for data, voice, and video message types
- » Support for control/status trusted (guarded) bypass
- » Certified, hardware-based True Random Number Generator (TRNG)
- » Anti-tamper controls
- » Downloadable configurations can be tuned to maximize power and performance for a given application

PERFORMANCE

Throughput	10 Mbps with power less than 400mW
Simultaneous Active Circuits	64
Simultaneous Active Keys	Up to 64 (each circuit can have a unique key)
Key Storage Capacity	1,000

INTERFACES

Plaintext, Ciphertext	8-bit bus, 1.8 V LVCMOS
Power Input	3.6 V +/- 10%
Control/Status IO	1.8 V LVCMOS

PHYSICAL

Size (W x H x D)	1.35 x 1.9 x 0.433 in.
Weight	<20 g
Power	<400mW

ENVIRONMENTAL

Temperature	
» Operational	-40° to 85° C
» Storage	-55° to 125° C
Altitude	
» Operational	35,000 ft
» Storage	70,000 ft
EMI/EMC MIL-STD-461	
Lightning MIL-STD-464	
Temperature, Humidity, Shock, Vibration and Altitude MIL-STD-810G	

VIASAT LIBRARY OF CRYPTOGRAPHIC FEATURES AVAILABLE FOR IMPLEMENTATION

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

DEVELOPMENT SUPPORT TOOLS

- » Development kit available today to support early integration
- » Embedment Manual and Interface Documentation available today to support early embedment

CERTIFICATION

NSA Type 1 for Secret & Below
 Non-CCI
 NSA Nomenclature: MC



CONTACT

SALES

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TECHNICAL SUPPORT

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