

- » 100 Mbps trusted IP network encryption with flexible keying
- » Protecting sensitive data in transit



Almost every day a new cybersecurity breach compromises critical data and systems. With increased reliance on IP networking, one of the easiest ways to safeguard your sensitive, high-value data is to encrypt it as it traverses across these different networks. With the Viasat SEC-1230 secure networking appliance, you get true end-to-end, high-grade Layer 3 security with AES-256 encryption to protect your data as it's sent across Wide Area Networks (WAN), like the internet, Local Area Networks (LAN), and cloud networks.

This network encryptor offers an increased level of protection that goes beyond FIPS 140-2 and standard regulatory compliances. Features like physical protection of keys, inbound intrusion detection*, and GCM packet authentication make sure your network security is reliable and can be trusted.

With TCP acceleration, this device not only protects your data, but keeps it moving quickly and efficiently. The Viasat SEC-1230 is also cyber adaptable, giving you the ability to update policies and protocols over the air, without needing to physically handle the device.

SEC-1230 AT-A-GLANCE

Efficient and Secure Networking

- » 100 Mbps encryption throughput
- » Upgradable software to meet evolving requirements; keep your network policies and cyber defenses current without making hardware changes
- » Built-in intrusion detection*
- » TCP acceleration (optional xPeP) keeps your network protected and moving
- » Multicast video on demand
- » Browser-based HMI configurations

Robust Encryption and Keying

- » Programmable and reprogrammable encryption
- » Integrated key management
- » Device generated keying
- » Physical protection of keys
- » x.509v3 certificates*

Product Support

- » 24/7 technical support
- » 1-year hardware warranty
- » 30-day software warranty

Applications

- » Remote connectivity
- » Tactical or mobile communications
- » WAN, LAN, VPN, and cloud networks

WHY VIASAT >>>>

Viasat encryption is accredited and used by corporations, educational institutes, governments, and militaries worldwide. All of our security products are part of a controlled supply chain and manufactured in the United States. We pride ourselves on not only delivering protection you can trust, but providing you with security that is efficient and can evolve with your networking needs.

SPECIFICATIONS

NETWORKING FEATURES AND PROTOCOLS

Protocols Supported	TCP, UDP, IPv4/IPv6 Dual Stack, ICMP, IGMP, ARP, DHCP
Networking Features	Dynamic IP addressing, dynamic key management, red address confidentiality with dynamic peer discovery
Management	Browser-based management
Multicast	IGMP on red and black subnet
Quality of Service (QoS)	Type of service octet bypass
Fragmentation	Supports fragmentation and header options for red IP packets
Flexible Interfaces	Ethernet interface, adapter provides for RJ-45 copper; fiber optic, wireless

NETWORK INTERFACES

Plaintext Data Interface—Ethernet Interface Adapter

» **Electrical/Mechanical** IEEE 802.3; 10/100 Mbps copper, RJ-45

Ciphertext Data Interface—Ethernet Interface Adapter

» **Electrical/Mechanical** IEEE 802.3; 10/100 Mbps copper, RJ-45

SECURITY FEATURES

Algorithm	AES-256 Suite B cryptography for encryption, key exchange, digital signature, hashing (failsafe implementation)
Flexibility	Modular, reprogrammable architecture
Crypto Ignition Key CIK	Removal to secure device

Fully compliant with the complete set of Suite B cryptographic algorithms specified by the National Institute of Standards and Technology (NIST) and recommended by NSA's Information Assurance Directorate for use in solutions approved for protecting National Security Systems.

PHYSICAL

Dimensions (W x H x D)	4.45 x 1.52 x 7.96 in.
Weight	2.8 lb
Power	14 W typical; AC power supply, or 12 to 28 VDC
Battery	External user replaceable battery, one "1/2AA" lithium cell, 3.5 yr operating life typical

RELIABILITY AND MAINTENANCE

Predicted MTBF	350,000 hr
Predicted MTTR	15 min
Other	Extensive power up and online BIT

ENVIRONMENT

Temperature	
» Operating	-40° to +60° C
» Non-operating	-40° to +71° C
Humidity	To 95%
Altitude	
» Operational	50,000 ft
» Storage	70,000 ft

The SEC-1230 meets multiple ruggedization standards. Please contact us for more details.

ADDITIONAL SERVICES

- » On-site support and training
- » Key management
- » Network engineering and implementation

NOTES

*Future Capability



CONTACT

SALES

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