A-CRYPT | RKC

IP ENCRYPTION DEVICE / LINK
ENCRYPTION DEVICE - V2, F/O, 2P

#MilitaryCommunication

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IP ENCRYPTION DEVICE / LINK ENCRYPTION DEVICE - V2, F/O, 2P

a-CRYPT RKC IP/Link Encryption Device is a network layer and Ethernet layes encryption equipment which encrypts and decrypts data from end to end. The device supports all types of IP network topologies that require one-to-many or many-to-many connectivity. a-CRYPT RKC device has IEEE 802.3 Ethernet interface and operates in full duplex mode. The Security Management System of the device is capable of updating device configuration and crypto parameters, and displays security alarms. In addition to remote key loading, the device supports manual key loading via a Fillgun device that is used to transmit crypto parameters in a secure manner.

General Features
- Secure communications over ethernet network
- 10/100/1000 IEEE 802.3 ethernet compatible interfaces
- Out of band management interface
- Remote management
- User interface functions via keypad and LCD display
- For a-CRYPT RKC IP, L2TP, QoS, NAT, IP fragmentation

Security Features
- Secret level classified data encryption
- Hardware FPGA implementation of crypto algorithm
- Emergency erase of keys (with or without power)
- Built in self-test property
- AES-256 or nationally certified crypto algorithm options
- Certified authentication mechanism
- 3-way strong authentication
- Tamper proof
- Key storage with external battery
- User access control and limitation via crypto ignition key (CIK)
- Manual key loading with a-CRYPT Fillgun device
- Alarm/event monitoring
- Remote key loading, key activation and configuration by Security management system
- EMI/EMC, tempest, comsec certified

Technical Features

Data interface	: 10/100/1000 IEEE 802.3 ethernet compatible
Communication characteristic - mKC IPED	: 350 Mbps full duplex traffic
Communication Characteristic - mKC LED	: 900 Mbps full duplex traffic
Remote control	: Access through 10/100 Mbps ethernet web interface
a-CRYPT Fillgun	: 10 Mbps ethernet interface
Algorithm	: AES-256 or nationally certified algorithm
Authentication	: 3-Way strong authentication via asymmetric crypto algorithms
Key loading	: Manuel or remote control
Physical security features	: Emergency erase of keys (with or without power) and tamper proof
AC input	: 220 ±10%VAC, 50 ±5% Hz
DC input	: 24 VDC(19-57 V)
Storaging temperature	: -40°C to +85°C
Operating temperature	: -20°C to +55°C
Humidity	: 95% (+40°C)
EMI/EMC	: MIL-STD-461F
Environmental standards	: MIL-STD-810G compatible
Dimensions	: 19" rack mountable
Weight	: <15 kg
TEMPEST	: SDIP-27 A compatible