

A-CRYPT | MKC

IP ENCRYPTION DEVICE / LINK
ENCRYPTION DEVICE

#MilitaryCommunication



aselsan

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IP ENCRYPTION DEVICE / LINK ENCRYPTION DEVICE

a-CRYPT mKC IP Encryption Device is a new generation, high assurance IP encryption device which encrypts and decrypts IP data over local or wide area networks. a-CRYPT mKC Link Encryption Device is an Ethernet encryption equipment which encrypts and decrypts data from end to end.

a-CRYPT mKC devices have 10/100/1000 Mbps IEEE 802.3 Ethernet interface and operates in full duplex mode. The Security Management System of the devices 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-CRYPT Fillgun device that is used to transmit crypto parameters in a secure manner.

General Features

- Secure communications over ethernet network
- Portable size and weight
- 10 / 100 / 1000 BASE-T data interface
- Data integrity check
- Remote management support
- Hands-on management support
- For a-CRYPT mKC IP, L2TP, QoS, NAT, IP fragmentation
- AC and DC supply options
- P2P and PMP support in Link mode
- Compatible with a-Crypt Fillgun device and security management system



Security Features

- Secret level classified data encryption
- Hardware FPGA implementation of crypto algorithm
- Battery-backed key storage
- Emergency erase of keys (with or without power)
- Tamper-proof mechanisms
- User access control and limitation via Crypto Ignition Key (CIK)
- Manual key loading with a-CRYPT Fillgun device
- Remote key loading, key activation and configuration by security management system
- AES-256 or nationally certified crypto algorithm options
- Approved authentication mechanism (ECDSA Support)
- User-driven algorithm options
- Built in self-test property
- Alarm/event monitoring
- Key storage with external battery
- Secure software update
- TEMPEST, COMSEC

Accessories

- Crypto Ignition Key (CIK)
- Power adapter
- DC supply and grounding kit (optional)
- Rack mount kit (optional)

Technical Features

Data interface	: 10/100/1000 Ethernet compatible
Communication data rate - mKC IP	: 300 Mbps full duplex traffic
Communication data rate - mKC Link	: 800 Mbps full duplex traffic
Hands-on Management Interface	: 10/100 Mbps ethernet WEB based interface
a-CRYPT Fillgun port	: 10 Mbps ethernet interface
Power options	: 220 \pm 10%VAC, 50 \pm 5% Hz or +12 \pm 5 VDC
Storing temperature	: -40°C to +85°C
Operating temperature	: -20°C to +55°C
Humidity	: 95% (+40°C)
EMI/EMC	: MIL-STD-461F compatible (CE102, CS101, CS114, CS115, CS116, CS118, RE102, RS103)
Environmental standards	: MIL-STD-810G compatible
TEMPEST	: SDIP-27 A compatible
Dimensions	: 150mm(G)x200mm(D)x50mm(Y)
Weight	: <1,5 kg

Specifications are subject to change without any notice. | All tolerances are within \pm 10%.