

## System parameters

### Operational Security

- Removable Crypto Ignition Key
- Operator Personal Identification Number
- Tamper Protection
- Emergency erase button

### Interfaces

- BLACK network interface
- 100BaseFX
  - IPv4 (RFC 791)
- RED network interface
- 100BaseFX
  - IPv4 (RFC 791)

### Physical Characteristics

- Operating Temperature: from -30°C to +50°C

### Power

- power supply: 22 – 30 VDC
- power consumption: 15 – 30 W

### Installation

- 19" rack mounting

### Dimensions

- size: 2U
- width: 482 mm
- height: 88 mm
- depth: 230 mm
- weight: 10 kg

### IPSec RFC Compatibility

- RFC 2401 Security Architecture for the Internet Protocol
- RFC 2403 The Use of HMAC-MD5-96 within ESP and AH
- RFC 2404 The Use of HMAC-SHA-1-96 within ESP and AH
- RFC 2405 The ESP DES-CBC Cipher Algorithm With Explicit IV
- RFC 2406 IP Encapsulating Security Payload
- RFC 2408 Internet Security Association and Key Management Protocol
- RFC 2409 The Internet Key Exchange
- RFC 2451 The ESP CBC Mode Cipher Algorithms
- RFC 4303 IP Encapsulating Security Payload (ESP)
- RFC 4306 Internet Key Exchange (IKEv2) Protocol

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# High Speed IPSec Encryptor



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### High Speed IPsec Encryptor Highlights



Transcrypt is the state of the art cryptographic device allowing for:

- designing and building secure military and civilian networks,
- easy modification of functioning telecommunication systems to provide protection for classified information being transmitted.



#### Key features:

- IPv4 at 100 Mb/s bandwidth,
- NAT/T compatibility,
- Multicast support,
- Twofish, Blowfish, DES, 3DES, AES or a customer provided encryption, with randomly generated IV and CBC modes, (network traffic masking with use ESP tunnelling mode),
- strong authentication mechanisms provided by algorithms based on Elliptic curves arithmetic,
- ESP data re-sending protection,
- anti-tamper protection,
- emergency erase mechanism,
- local and remote management (via secured WWW, built-in control panel or security configuration loaded from SecureTransfer Device),
- local and remote key distribution (via IKE),
- accounting,
- compliant with AMSSG-720B and N.7 group NO-06-A103:2005,
- compatibility with devices supporting implemented RFCs.

### Pictures



## High Speed IPsec Encryptor

Data confidentiality

Data integrity

Accounting

Local and remote management

Local and remote key distribution

Transparent to network services

Strong authentication

Access control