

## Key Features

- Full duplex speeds up to 622Mbps
- Selective encryption of each virtual circuit or path in an ATM connection
- Simultaneous support for federally endorsed AES and DES algorithms
- Comprehensive in-band or out-of-band security management with SafeNet SafeEnterprise Security Management Center using SNMPv3
- Flexible management options
- Designed to international security standards

Common Criteria EAL4\*  
FIPS PUB 140-2 Level 3\*

\*In evaluation

# SafeEnterprise ATM Encryptor II

*A Stand-alone, High-Performance Encryptor  
For ATM Networks*



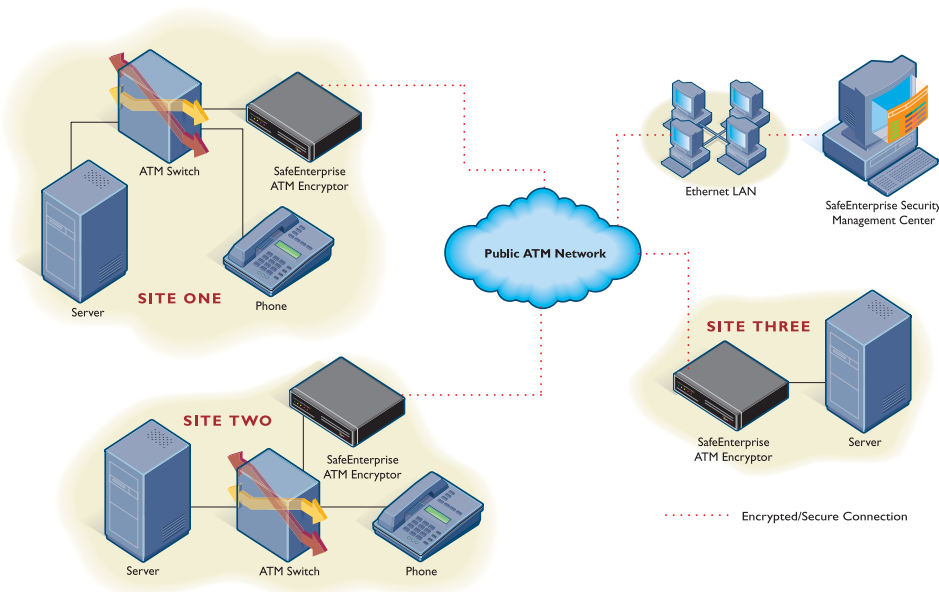
The SafeNet SafeEnterprise™ ATM Encryptor II provides data privacy and access control for connections between vulnerable public and private ATM networks. It employs federally endorsed AES and DES algorithms and, with the flexibility to choose the desired interface module, can be deployed in T1, E1, T3, E3, OC3c, and OC12c networks. The SafeEnterprise ATM Encryptor II can be centrally controlled or managed across multiple remote stations using SafeNet's SafeEnterprise Security Management Center, an SNMP-based security management system.

When deployed in the network, the SafeEnterprise ATM Encryptor II functions with complete transparency to the network as well as the end-users within the secured environment. Users need not modify their work habits to take advantage of the SafeEnterprise ATM Encryptor II security capabilities, and businesses can continue to use their LAN and LAN-based devices such as servers, workstations, and switches within a secure environment.

The SafeEnterprise ATM Encryptor II encrypts only the user data and leaves the routing information in the header of the ATM cell intact. This allows the encrypted user data to travel on the ATM network just like any other unsecured data. The SafeEnterprise ATM Encryptor II, at the final destination, decrypts the data and delivers it to the user on the trusted network.

### Cryptography

- AES algorithm - 256 bit key
- DES algorithm - 168 bit key
- CFB providing automatic crypto resynchronization with error extension of one cell
- Counter mode



## Technical Specifications

### SMC Management

- SNMPv3
- Ethernet 10/100 RJ-45
- RS-232 Local console
- In-band on network interface

### Indicators

- Two-line 20-character LCD display
- LEDs indicating status of local interface, network interface, temperature, battery status, system operation, and secure status
- Power
- LEDs for interface Tx/Rx

### Network Interfaces

- OC3/OC12 interfaces
- SC connectors
- Multi-mode fiber (2km max.)
- Single-mode fiber (15km max.)
- DS-3 interface - BNC
- E3 interface - BNC
- E1 interface - BNC
- T1 interface - RJ-45

### Network Protocols

- ATM Forum UNI 3.0/3.1/4.0

### Physical Security

- Tamper-proof storage of encryption keys and user passwords
- Tamper-resistant metal case

### Environmental

- 5° to 40°C operating temperature
- -10° to 60°C non-operating temperature
- 0 to 80% RH @ 40°C operating humidity
- 95% RH @ 40°C non-operating humidity

### Electrical

- 90VAC to 250VAC, 110W maximum, 47-63Hz
- -48VDC, 40W maximum

### Mechanical

- Height - 41mm (1RU)
- Width - 435mm (19" rack mountable)
- Depth - 285mm
- Weight - 4.5kg

## Key Management

- ATM Forum Security Specification v1.1 Key Exchange
- RSA public key
- Master/session keys
- Automatic session key update

## Audit

- Event log
- Alarms
- Interface status
- Audit log
- Date and time of secure connection
- Configuration changes

## Performance

- Cell delay <12 microseconds for OC12 interface
- Full duplex operation at all line speeds with no cell loss for all modes of operation

## Accreditations

- Common Criteria EAL4\*
- FIPS PUB 140-2, Level 3\*

## Virtual Circuits

- Supports up to 1,024 encrypted or unencrypted sessions
- Each encrypted virtual circuit or path uses an independent encryption key pair

SafeNet offers distinct levels of support based on the type of support you require. The SafeEnterprise ATM Encryptor II has a one year (12 month) standard, basic warranty. Extended support and maintenance contracts are available. Support is also offered online through our customer support Web site, Express Service Center, and Customer Connection Center.

\*In evaluation

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