

Key Features

- Comprehensive in-band or out-of-band security management with SafeNet SafeEnterprise™ Security Management Center
- Encrypts data using federally endorsed DES or Triple-DES algorithms, keeping information out of the hands of potential adversaries
- Enforces policies as defined by the security system administrator through Security Management Center
- Complies with ATM signaling standards
- Operates seamlessly between private and public networks
- Completely transparent to end-users within the secured environment and public networks
- Protects all workstations, servers and other end nodes connected to the LAN
- FIPS 140-1, level 2 compliance

SafeEnterprise ATM Encryptor

*A Standalone, High-Performance Encryptor
For ATM Networks*



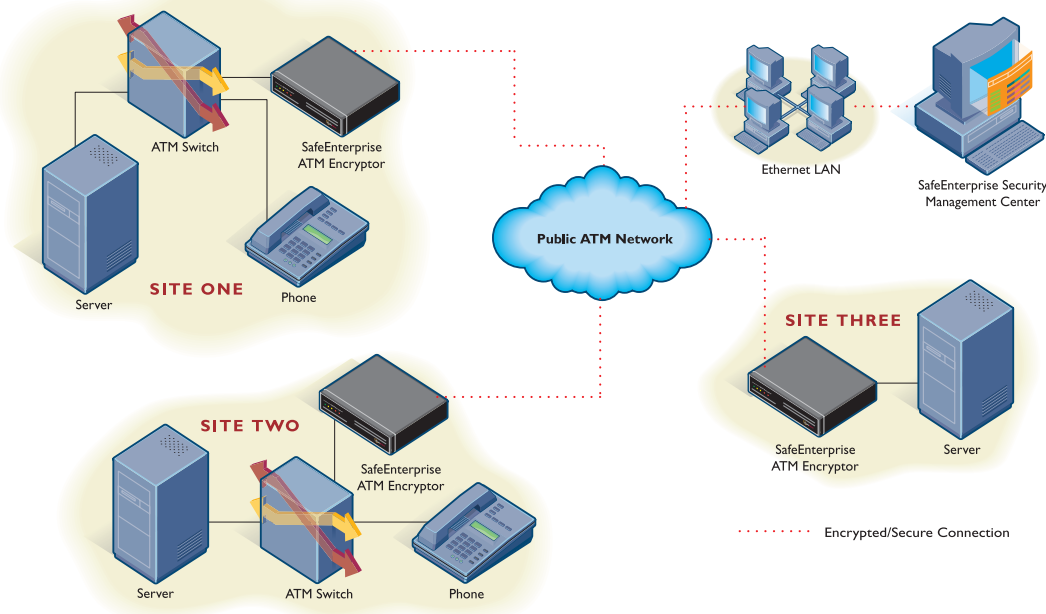
The SafeNet SafeEnterprise™ ATM Encryptor provides data privacy and access control for connections between vulnerable public and private ATM networks. It employs federally endorsed DES or Triple-DES algorithms and, with the flexibility to choose the desired interface module, can be deployed in T1, E1, T3, E3, OC3c and OC12c networks.

The SafeEnterprise ATM Encryptor 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 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 ATM Encryptor's 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 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 ATM Encryptor at the final destination decrypts the data and delivers it to the user on the trusted network.

Key-Agile Data Encryption

- Independent encryption key pair for each virtual circuit (VC)
- Full line-rate encryption of ATM cell payloads
- Mixed encrypted and unencrypted traffic options
- ATM routing, signaling and management information unaltered
- Automatic key updates



Strong Cryptography

- Data encryption: DES or Triple-DES in ECB or Counter Mode (up to 168-bit keys)
- Key management: Diffie-Hellman fully automatic public key
- Authentication: Digital certificates and Digital Signature Standard (DSS)
- Manual or transparent automatic key distribution
- Automatic and transparent key exchange for PVC, PVP connections during setup
- Strong device-level authentication

Supported Connections

- Permanent virtual channels (PVCs) and permanent virtual paths (PVPs)
- Point-to-point (PP) and point-to-multipoint (PMP)
- Transparent operation with any ATM network interface supporting ATM Forum signaling

System Performance

- Maximum Number of Active Virtual Circuits: 4,096 with independent keys
- Rate: Up to 622 Mbps full duplex (full OC-12c line speed)

SafeNet offers distinct levels of support based on the type of support you require. The SafeEnterprise ATM Encrytor 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 website, express service center, and customer connection center.

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Distributors and resellers located worldwide.

Technical Specifications

Audit Support

Significant events (network and security related) are stored and available through SafeEnterprise™ Security Management Center or locally at the device

Compliance

- ATM cell processing per ANSI T1S1 5/92-002R3, ITU I.361
- ATM Forum UNI 3.0/3.1 specification for signaling
- STMI and SONET OC-3c
- STM4 and SONET OC-12c

Network Interfaces

- OC3/OC12 Interfaces – SC Connectors
 - Single-mode fiber (15km max.)
 - Multi-mode fiber (2km max.)
- DS-3 Interface - BNC
- E3 Interface - BNC
- E1 Interface - BNC
- T1 Interface - RJ-45

Electrical/Mechanical

- 4.0 H x 14.5 D x 17.5 W inches (10.2 H x 36.8 D x 44.5 W cm)
- 15 lbs (6.8 KG) weight
- AC Power Version
 - 100 - 230 VAC
 - 47-63 Hz nominal frequencies
 - 180 Watts maximum power consumption

Management Interfaces

- Serial: RS-423/RS232 user configurable
- Ethernet: Twisted pair, IEEE 802.3 (10/100 BaseT)

Environmental

- Operating temperature 32° to 104° F (0° to 40° C)
- Up to 90% operating humidity (non-condensing)
- Altitude 0 to 3,400 meters

Regulatory

- UL Approved
- CSA Approved
- FCC Approved
- FIPS 140-1, level 2

