

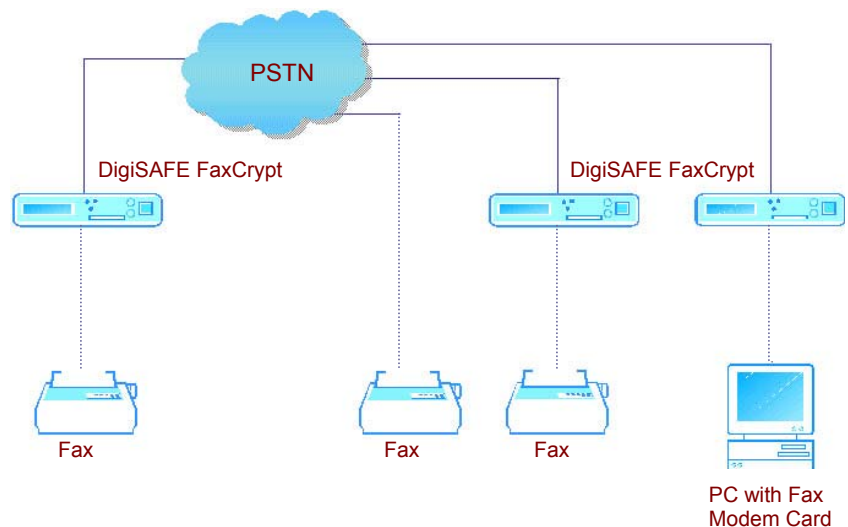
DigiSAFE FaxCrypt

- Provides data confidentiality with strong encryption algorithms (128-bit AES or 168-bit 3DES)
- Fully compatible with all Group 3 facsimile machine
- Does not degrade fax performance
- Generates unique encryption key with each new secure fax transmission
- Functions in both clear & secure modes
- Supports unattended fax receive
- Individual user mailboxes for secure storage before authenticated printout
- FIPS 140-2 compliance

DigiSAFE FaxCrypt is a dedicated encryption device that adds a high level of security to your fax communications. The FaxCrypt can be attached quickly and easily between any Group 3 fax machines and the phone line to provide reliable and secure fax communication.

No modifications to existing fax equipment are needed and the FaxCrypt operates almost invisibly in the background.

DigiSAFE FaxCrypt supports unattended secure faxes receive with the use of the user mailbox feature.



Modes of Operation

The FaxCrypt is designed with several send and receive modes for maximum flexibility. It can be configured to secure all fax transmissions by default to protect against inadvertent plain transmission. With the expressed choice of the user, the FaxCrypt can allow clear fax transmission to users without the FaxCrypt.

Send Modes

1. Secure Send : transmit fax in secure mode only
2. Clear Send : send a clear fax (unencrypted)

Receive Modes

1. Secure Receive : Receive fax in secure mode only
2. Automatically Secure/Clear Receive : Receive in secure mode if communicating with another fax encryptor. Otherwise, it receives in clear mode.
3. Clear Receive : Receive in clear mode only

The operation of the FaxCrypt is transparent to the user and no special user training is required. When sending a secure fax, the user simply operates the fax machine as per normal. After the recipient fax number is dialed on the fax machine, the FaxCrypt will automatically negotiate with the receiving encryptor to establish a secure connection.

Secure fax transmission will begin once both FaxCrypt units have authenticated each other and the key exchange is successfully conducted. The fax document will be transmitted securely and a status icon will be inserted on the top of each page sent.

At the receiving end, the encrypted fax document is stored into the secure mailbox, and will only be released (decrypted and printed) when the authorised user inserts his Smartcard into the FaxCrypt and keys in his Personal Identification Number (PIN).

Specifications	
<p>Operating Features</p> <ul style="list-style-type: none"> • Compatibility: All Group 3 (ITU-T T.4, T.30) facsimile machine • Display: 2 line, 16 character LCD • LEDs for Power, Secure, Alarm, Battery Low • Keypad: 16 keys <p>Interface</p> <ul style="list-style-type: none"> • Connection to PSTN/PABX – RJ11 modular connector • Connection to Fax – RJ11 modular connector • Management and configuration – Serial RS232 <p>Cryptography</p> <ul style="list-style-type: none"> • Encryption Algorithm: 128-bit AES, 168-bit 3DES, or Customized <p>Key Management</p> <ul style="list-style-type: none"> • Diffie Hellman Key exchange: <ul style="list-style-type: none"> • 1024 bit D-H scheme • Unique session key for each secure fax transmission • Distribution of public key domain parameter by smart cards • On-Board hardware Random Number Generator • Works with DigiSAFE Key Management Centre (KMC) for automatic key generation 	<p>Security</p> <ul style="list-style-type: none"> • Secure access control: Smartcard and PIN authentication • FIPS 140-2 compliant tamper resistant enclosure • Tamper detection circuitry to erase all mailbox messages and sensitive information • Emergency erase allows user to clear all mailbox message and sensitive information <p>Reporting</p> <ul style="list-style-type: none"> • Audit Trail: All security-related events will be logged • Alarm log: All faults, error conditions will be logged <p>Physical</p> <ul style="list-style-type: none"> • Size: 52mm x 150mm x 219mm (H x W x D) • Weight: <3 kg • Power: External AC power adapter 5Vdc ▪ Memory back up battery: 3.6V, AA-sized lithium <p>Environmental</p> <ul style="list-style-type: none"> • Operating Temperature: 0° to 50° C • Humidity: 0 to 90% <p>Standard</p> <ul style="list-style-type: none"> • FCC Part 15, Subpart J (Class B) EMI/RFI requirements

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