



**Fax Encryption HC-4221 / HC-4221C.
Provides Maximum Protection for your Fax Communication Needs.**

OFFICE SECURITY SOLUTIONS



Fax: A Classic Means of Communication.

Even in this Internet age, the fax remains an indispensable means of communication because it is fast, simple and reliable. And in cases involving the legal validity of transmitted documents and/or their official character, a fax is irreplaceable. However, faxes are just as easy to tap as phones. If you fax sensitive information, you must encrypt it to protect it from prying eyes! The tried and tested Fax Encryption HC-4221 solution from Crypto AG provides the highest level of encryption available. Trouble-free operation, encryption at the press of a button and centralised key distribution make the HC-4221 the optimum solution in large and small fax networks. Thanks to their handy

size, these units fit discretely into any workplace. Easy to put into operation, they interface between the fax machine and the phone outlet using a connecting cable. Encryption is carried out in the background.

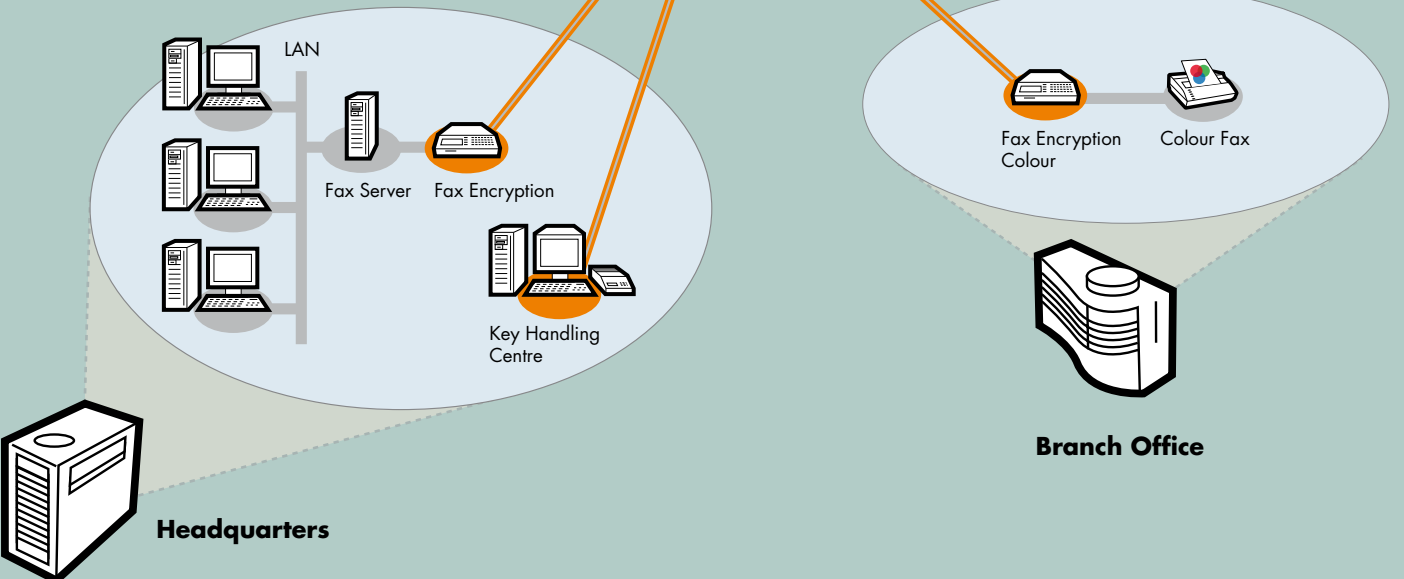
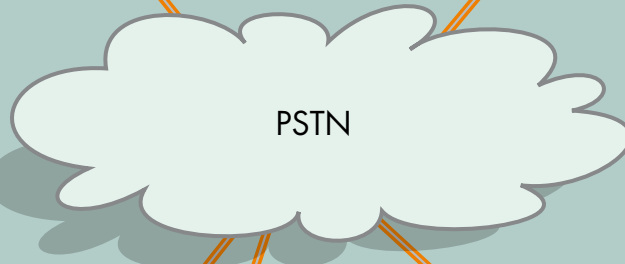
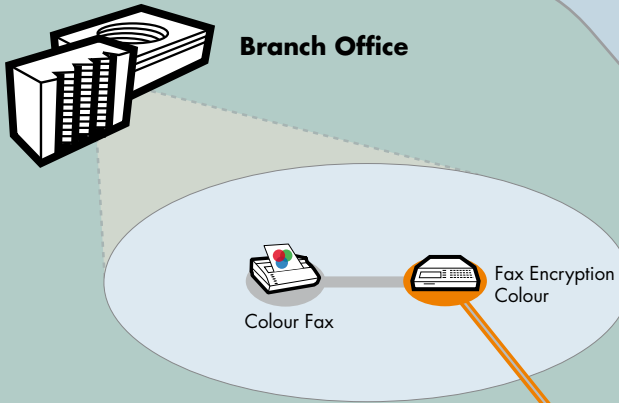
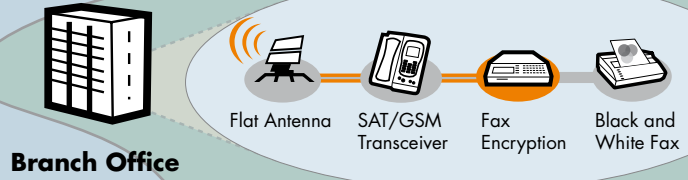
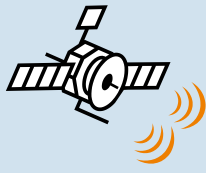
Specific characteristics:

- Backward compatible with HC-4220 and earlier generations of CRYPTO-FAX® models.
- Compatible with CCITT Group 3 and Super Group 3 devices.
- Simple to put into operation and use. A press of a button switches from plain text to encryption.
- Compact, sturdy and radiation-free desktop unit.
- Adapts automatically to the possible transmission speed.
- Key distribution is user-friendly and involves chip cards or is conducted directly over the phone (downline loading) using the KHC-1500-4000 Key Handling Centre.



HC-4221/HC-4221C
Fax Encryption

Configuration Examples for Fax Encryption in a Virtual User Scenario.





Upgrade your Fax Communication with Security and Colour!

A tremendous change has undisputedly occurred in recent years across all forms of communication technology, fax included. With the expanded ITU-T30E transmission protocol, an internationally valid standard, you can now fax your documents in colour as well as black-and-white. But the confidentiality and authenticity of information must also be assured for colour faxing. That is why Crypto AG has upgraded its globally proven Fax Encryption HC-4221 unit. The HC-4221C delivers the same top standards of secure encryption you are accustomed to. If you already have an HC-4221, you can upgrade it at any time with the colour option.

Colour your way to success:

- Coloured faxing with high fidelity details.
- Greater depth of information, e. g. for the backgrounds of images or 3D representations.
- Makes graphics, maps and other complex representations easier to understand, interpret and read.
- Sparks greater interest in the recipient.
- Enhances the official character of documents with coats-of-arms, logos, passport photos or personal signatures.





Convenient and Secure Key Distribution.

For larger fax networks, we recommend that you use the ultra-convenient Key Handling Centre KHC-1500-4000. It simplifies the secure handling of security data and key generation. This process includes the formation of any number of exclusive, even overlapping, crypto-groups in the virtual fax network. In other words, you can have your communication structure reflect

your organisational structure. And you enjoy another feature that is essential for work efficiency today, namely, efficient key distribution in encrypted form to individual units directly over the phone line using downline loading (DLL), e.g. at night.

Specific characteristics:

- Genuine random key generation.
- Encryption is done exclusively in a separate tamper-proof security module to exclude the possibility of unauthorised access to security data or keys.
- Even qualified wiretapping attacks from the phone lines are prevented thanks to symmetrical, secret algorithms profiled by you.



Fax? Sure, provided it is secure!

The security architecture of Crypto AG provides your fax communications with the best in protection: the core elements involve encryption in a hardware-based tamper-proof security module and the use of customer-specific proprietary algorithms that the customer can change at any time. Key management is a crucial element in the cryptographical environment. To assure maximum security, we recommend that you regularly change your keys.

KHC-1500-4000
Key Handling Centre



Crypto AG – Your Partner for Total Information Security

Crypto AG is your expert partner for the efficient and secure handling of information.

As a legally and economically independent Swiss company, we are not subject to any export restrictions. We have been concentrating on developing, manufacturing and implementing custom security solutions for over 50 years.

Our range comprises the latest technology and comprehensive services. After-sales service and product training that guarantee autonomous operation and high availability are assured over the system's entire lifetime, whatever the user environment.

You too can rely on the expertise and capability of Crypto AG.

Customers from over 130 countries are already doing just that.

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