CRYPTO PRODUCTS.

HAGELIN-CRYPTOS
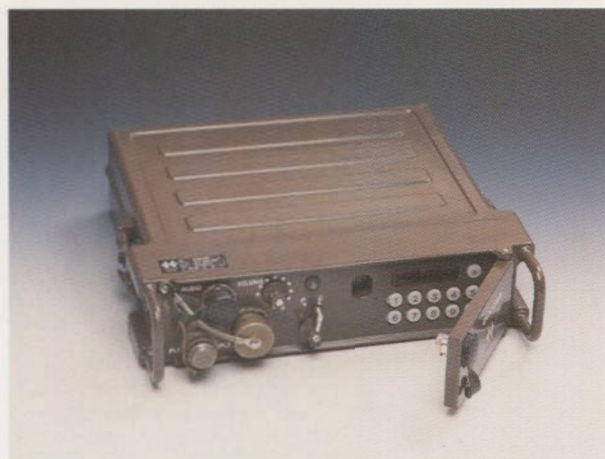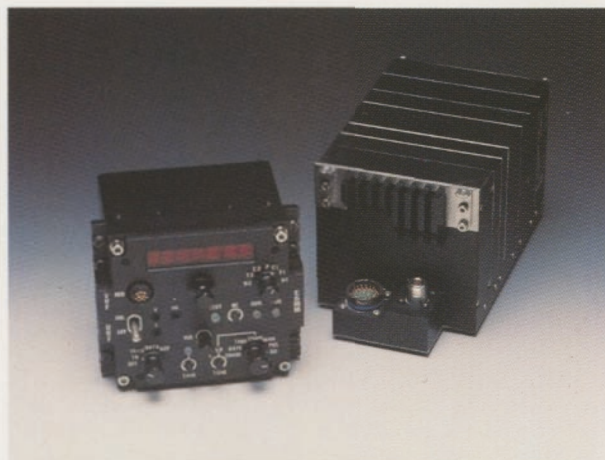
CRYPTO AG

CRYPTOCOM® HC-265

A new synchronization system and a unique ciphering method have been employed in the "man-pack" version HC-265. The unit complies with MIL-STD-810D and has a number of excellent features including:

● High level of security.
● Sophisticated synchronization system allowing:
  – late entry
  – high immunity against channel interference
  – point-to-point and multi-point communication
● Excellent speaker recognition.
● Special call function.
● Interactive operator guidance.
● Remote control capability.
● Time authentication (optional).

CRYPTOCOM® HC-250/255

The HC-250/255 voice ciphering system has been specially developed to fulfil all the requirements of high-security voice communication networks. It can be connected to switched telephone networks or used with half-duplex or duplex UHF/VHF and HF-SSB radio links. The HC-255 is a ruggedized version designed for extreme environmental conditions in the field and conforms to MIL-STD-810. Both units having the following features:

● Excellent intelligibility and speaker recognition at the receiver end.
● No residual voice intelligibility on the line.
● Fully automatic synchronization.
● Multi-level key hierarchy.

SECOS® 400/610

To meet the requirements of tomorrow's electronic battlefield, Crypto AG together with Rohde and Schwarz have developed an ECCM radio communication system. The SECOS® 400 is a VHF/UHF secure frequency hopping transceiver for ground or shipboard application. The SECOS® 610 has been specially designed to meet the stringent airborne ECCM requirements. The TRANSEC module controls frequency hopping ensuring collision-free hop sequences within network groups and the avoidance of self-jamming. The COMSEC module provides high-security encryption of data or digitized voice.

CRYPTOVOX® CVX-396

Tactical radio networks can be protected with the CVX-396 digital voice ciphering unit. This ruggedized device meets the requirements of environmental conditions in accordance with MIL-STD-810C and can be interfaced to military VHF/UHF radio transceivers without the need for additional adapter units. An existing radio network can thus be converted to operate as a fully protected high-security network, which can no longer be monitored by an adversary.

VOICE ENCRYPTION

CRYPTOVOX® SE 580

Crypto has developed a mobile transceiver for semi-duplex and trunking operation as well as for VIP duplex applications. This radio fulfils all the modern requirements in terms of voice quality, security, and logistics. Only one type radio is needed for the wide field of secure mobile radio communication. The excellent voice quality is guaranteed by a voice coding system optimized for radio channels. The digital high security module is integrated into the radio and offers a wide range of key management features. The CRYPTOVOX® SE 580 is fully compatible with the hand-held CRYPTOVOX® SE 160.

CRYPTOVOX® SE 160

Todays eavesdropping in radio communication is quite common. The solution is the CRYPTOVOX® SE 160 hand-held transceiver with incorporated digital high security module. The excellent voice quality guarantees very good speaker recognition. The CRYPTOVOX® SE 160 with its flexible design allows full integration into existing and new radio networks. Thanks to the open processor concept it can also be used in trunking type networks. The SE 160 is functionally extremely versatile but still simple to operate. The CRYPTOVOX® SE 160 is fully compatible with the mobile CRYPTOVOX® SE 580.

CRYPTOVOX® HC-3300

The CRYPTOVOX® HC-3300 is a high-security digital voice ciphering unit. The built-in security features guarantee absolute secrecy of communication and key management. Various functions for access control, identification, and authentication as well as easy operation make the CRYPTOVOX® HC-3300 very user friendly. The new voice coding techniques and modem technology offer unprecedented voice quality and excellent speaker recognition even on bad lines or in a noisy environment.

FACSIMILE AND DATA ENCRYPTION
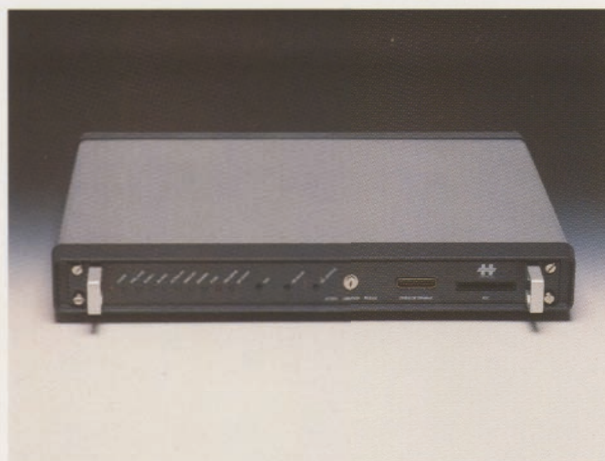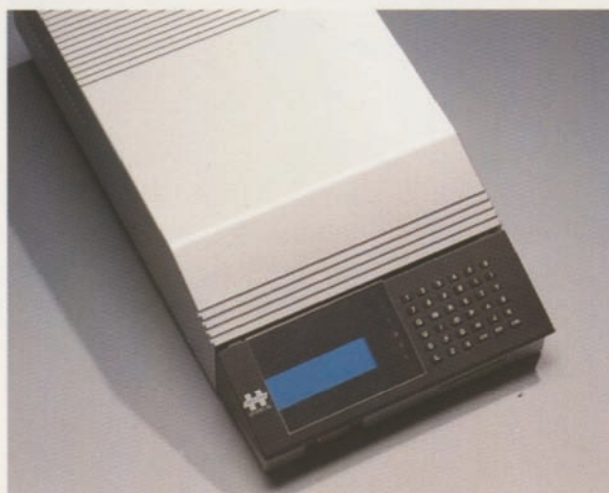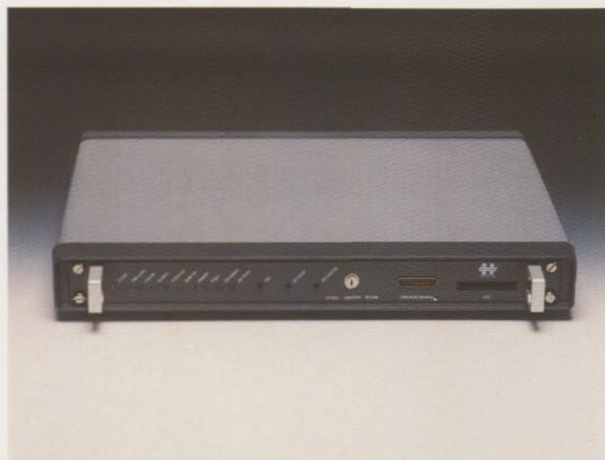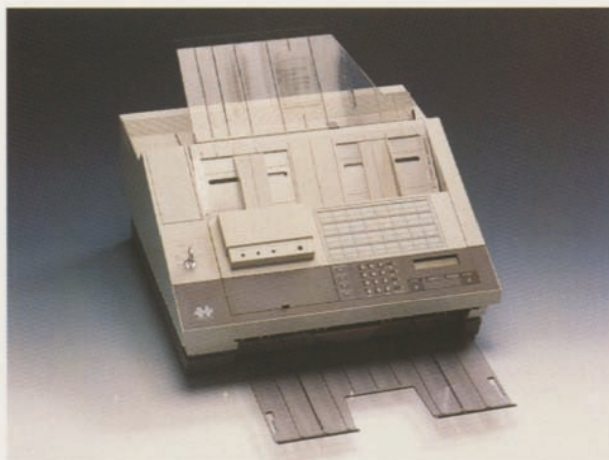
CRYPTOFAX® HC-4400

The HC-4400 comprises a high-security digital cipher-ing unit fully integrated into a sophisticated desk-top facsimile transceiver. It provides secure ciphered transmission in accordance with CCITT group 3 recommendations.

● Fully automatic, unattended transmission and reception.
● Document memory capacity of up to 50 A4 pages.
● Grey scale transmission capability of 16 shades of grey.
● One-touch dialling facility for up to 32 stations with automatic re-dial.

CRYPTOFAX® HC-4200

The HC-4200 provides secure ciphered fax transmission in connection with facsimile transceivers which have a built-in cipher interface (X-mode interface). All standard and non-standard fax features are fully supported, automatic, and unattended.
The HC-4200 contains a modern security architecture and is compatible with all members of the CRYPTOFAX® family.
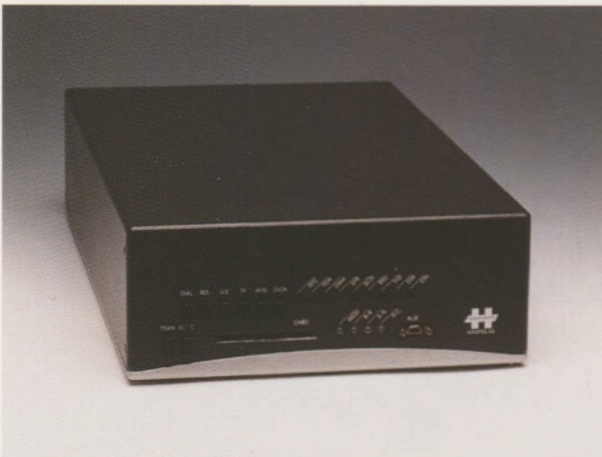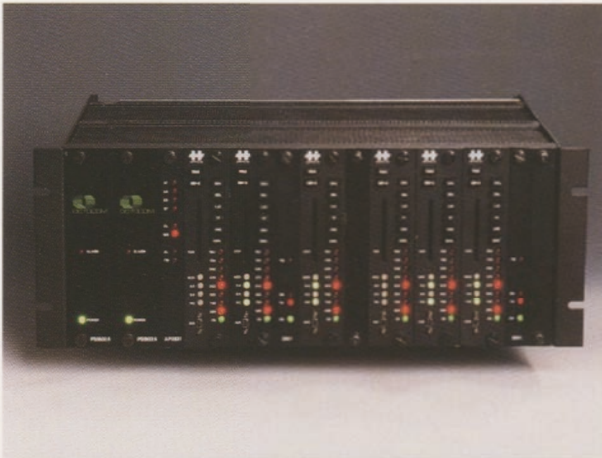
CRYPTRONIC® HC-7400

Data communication can be protected from interception and deception by utilizing the HC-7400 data ciphering unit. This unit adapts to the interface between the data terminal and the modem, it operates on-line full duplex. The unit requires no operator intervention. The HC-7400 operates fully automatically after the setting of the link parameters and the keys.

CRYPTRONIC® HC-7700

The HC-7700 data encryption unit has been especially designed for protecting X.25 packet data communication from unauthorized access. It can be used in permanent or switched virtual circuits with transmission speeds up to 64 kbps. 32 logical channels with mixed plain/crypto mode operation are possible.

CRYPTRONIC® HC-7200 System

Ciphering modem for the protection of data communication over dial-up or leased lines. A high-security ciphering module and a state-of-the-art V.32 bis modem are integrated into one single unit. A versatile and flexible network management system allows a large number of modems to be controlled and handled from a central management centre.

CRYPTRONIC® HC-7210
The rack version of the ciphering modem employed at installation sites where many modems are installed, e.g. a headquarter.

CRYPTRONIC® HC-7220
The table top version of the ciphering modem. It is used at sites where only one single modem is installed, e.g. at remote stations.

CRYPTOPLEX® HC-860

The HC-860 full duplex, microprocessor-controlled multi-channel ciphering unit can cipher time division multiplex signals with bit rates up to 2.3 Mbps. It features a new dual-level key system which enables spare keys to be activated upon command from either side of a link without loss of data.

CRYPTOPLEX® HC-865

The HC-865 represents the latest generation of multi-channel encryption devices and fully conforms to MIL-STD-810 C. It ensures the highest level of security, allowing successful application in tactical as well as in strategic multichannel transmission networks. It is fully compatible with the HC-860.

CRYPTOMATIC® HC-5100

A fully self-contained, stand-alone ciphering unit, the HC-5100 is compatible with most types of terminal and transmission system. It is designed to protect text transmission systems from eavesdropping and can easily be integrated into systems operating with message switching computers, telex circuits, etc. It is fully compatible with all other members of CRYPTO AG's HC-5000 family of text encryption devices.

CRYPTOMATIC® HC-5200/HC-5250

The hand-held ciphering terminal HC-5200 and the ruggedized military version HC-5250 are light-weight and fully self-contained, which makes them ideally suited for mains independent operation in the field.

● Full alphanumeric keyboard with softkeys and function keys.
● Dual-line 40 character wide LCD display.
● Multi-message memory.
● Communication and local interfaces.

CRYPTOMATIC® HC-5300/HC-5350

The HC-5300 and the ruggedized military version HC-5350 are designed for off-line ciphering/deciphering of messages in a text communication network. The processed messages can be presented on the built-in printer or stored in the multi-message memory.

● Built-in 40 character wide thermal printer.
● Multi-message memory.
● Tamper-proof security module.
● Communication and local interfaces.

CRYPTOMATIC® HC-5700/5750

The most powerful member of the HC-5000 family, the CRYPTOMATIC® HC-5700/5750, is a high-security, high-capacity, desktop ciphering work-station, designed to protect modern text communication. Due to their flexibility and rugged design, they can be integrated into any civil or military communication network.

● Off-line and full duplex on-line operation
● Integrated word processor
● Simple operation
● Virus and Tempest protection
● Extremely robust and durable construction

KEY MANAGEMENT DEVICE

KMC-5000 Key Management Centre

The KMC-5000 Key Management Centre fulfils the needs for secure handling and administration of secret key information in communication networks with text ciphering equipment of the HC-5000 family. The main functions of the KMC-5000 are network and key generation/administration. The KMC-5000 consists of a specially programmed personal computer, an auxiliary tool-box for the processing and storage of all sensitive information, a printer and an uninterruptable power supply.

KDC Key Distribution Carrier

The KDC is a chip card for secure distribution and easy loading of secret key information and equipment parameters. The card is access-protected by a password and all data are stored in ciphered form. Its small size enables it to be distributed easily and securely by mail or courier. When not in use, it can be readily stored in a safe place to prevent unauthorized usage.

KED Key Entry Device

The KED Key Entry Device is a battery-powered, hand-held, unit enabling key loading and distribution and complete network definition tasks to be performed for any high-security voice communication network.

KDD Key Distribution Device

A fully self-contained, battery operated device, the KDD has the capacity to store up to 156 keys, each comprising 256 bits. The KDD injects key information into a ciphering unit via an optical interface.