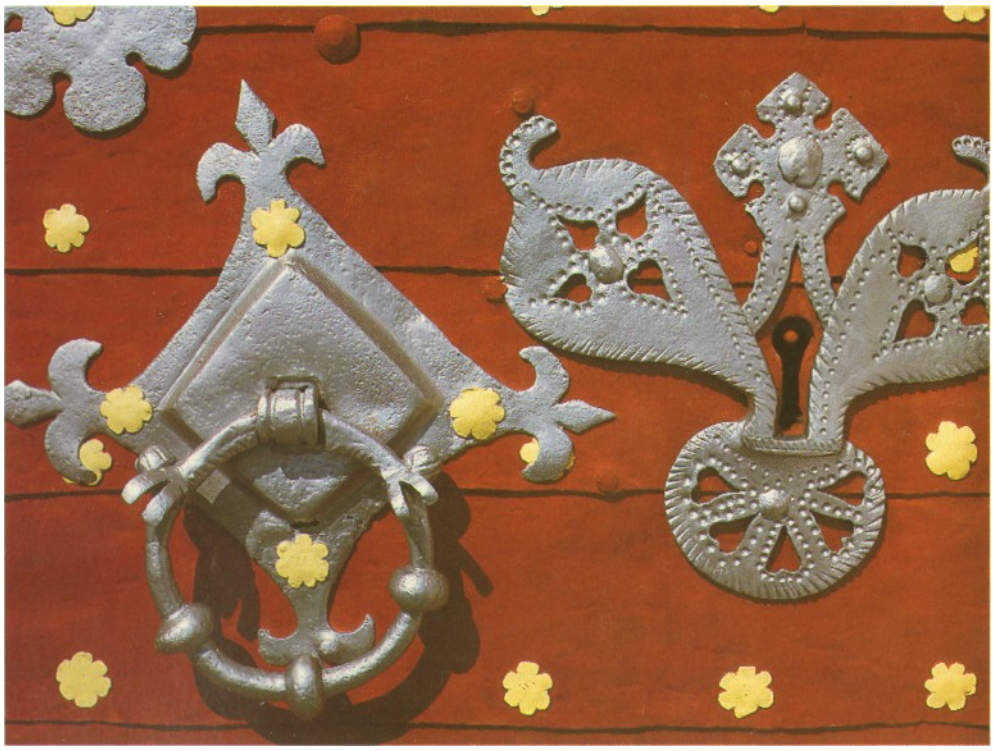


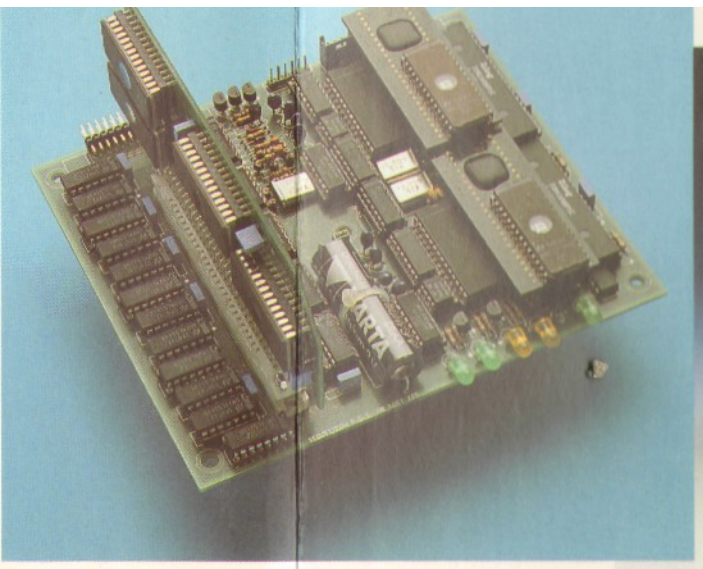
Old guard. Door with lockfrom 1495. S:t Maria church, Risinge, Sweden.

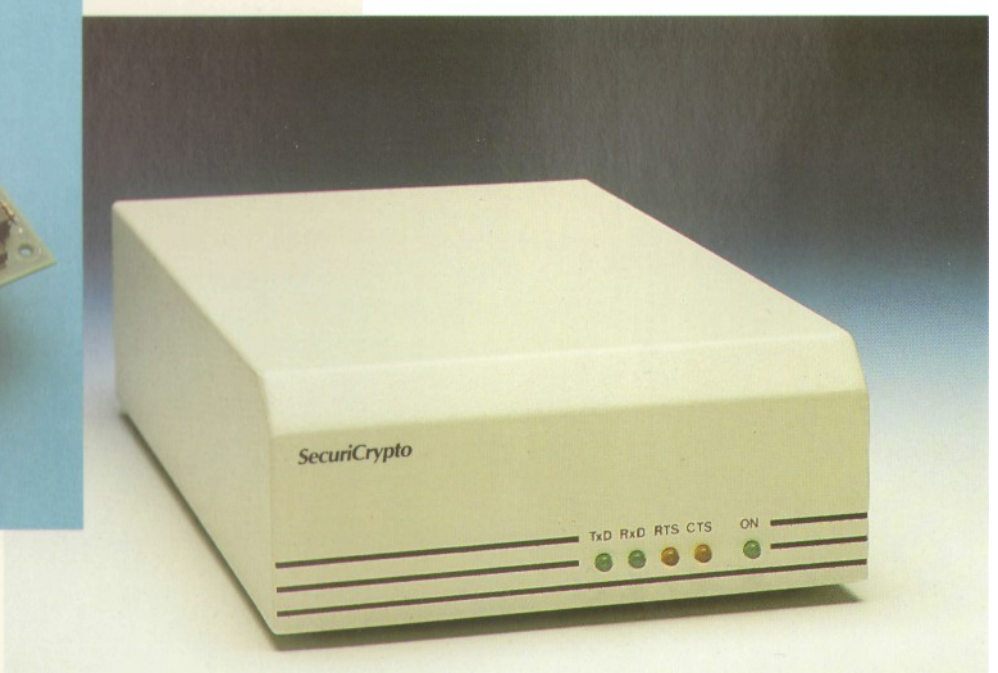
SecuriCrypto

- Guard data Communications Systems against unauthorized access or monitoring

- New technology

includes double code generator for unrivalled security





SecuriCrypto

- *Guard data Communications Systems against unauthorized access or monitoring*

- *New technology*

includes double code generator
for unrivalled security

- A new approach to security
Encryption does not affect data transmission rate
Plug-in design for simple Installation -
No delay in data transmission

SecuriCrypto is an encryption System for data Communications. It provides **effective protection** against unauthorized access or monitoring. SecuriCrypto makes it impossible for blocks of data to be inserted or removed or messages to be modified.

SecuriCrypto is based on an **entirely new, algorithm.** It incorporates state-of-the-art circuitry and memory technology. The SecuriCrypto System represents a breakthrough in encryption technology!

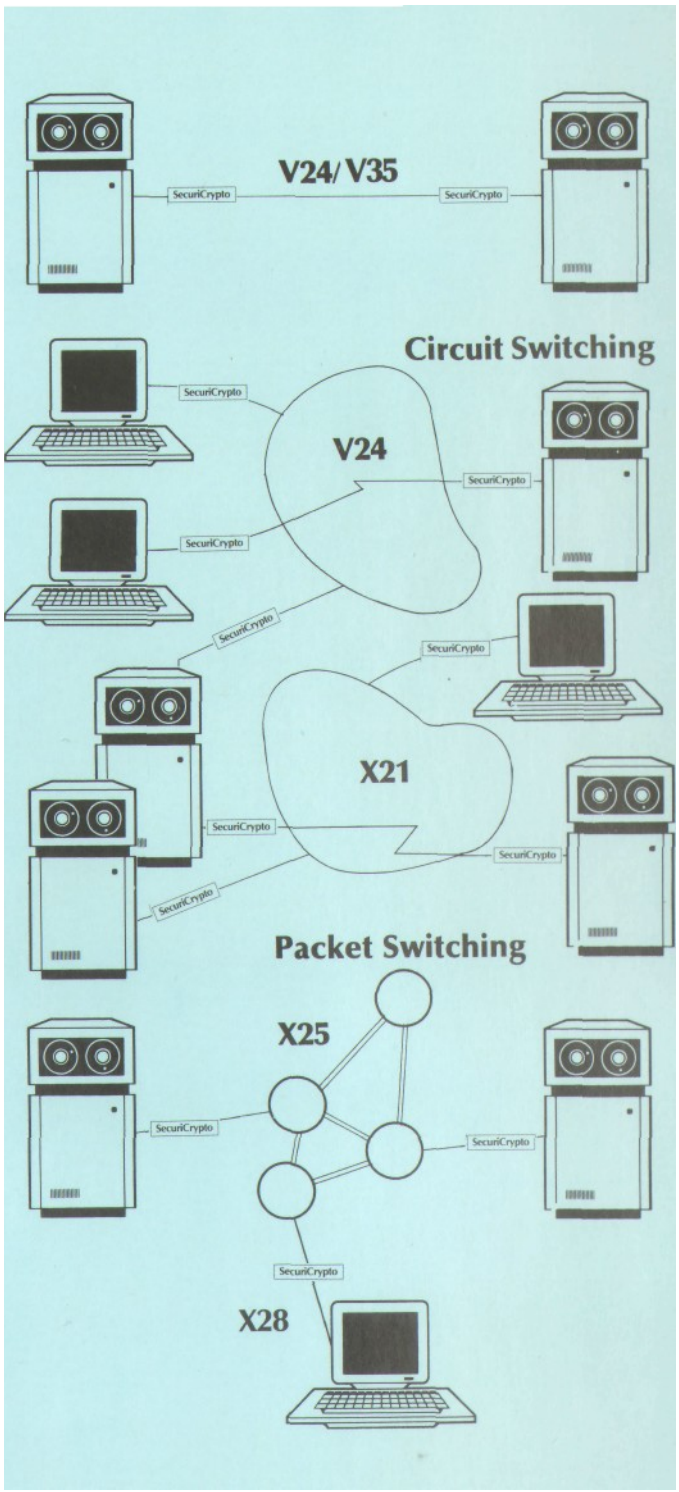
— **SecuriCrypto uses a gigantic key - on** the order of 128,000 bits!

- SecuriCrypto includes two totally independent code generators that operate in series. Result: unrivalled security.

The SecuriCrypto System is available in several different versions that cover all requirements for encryption between different types of data Communications equipment. New technology enables SecuriCrypto to provide unmatched security united with low cost and simple installation.

The SecuriCrypto series:

V24 Asynchronous = RS232C
V24 Synchronous = RS 232 c
V35/V36 = RS449
G703 = T1
X21
X2
5
X2
8

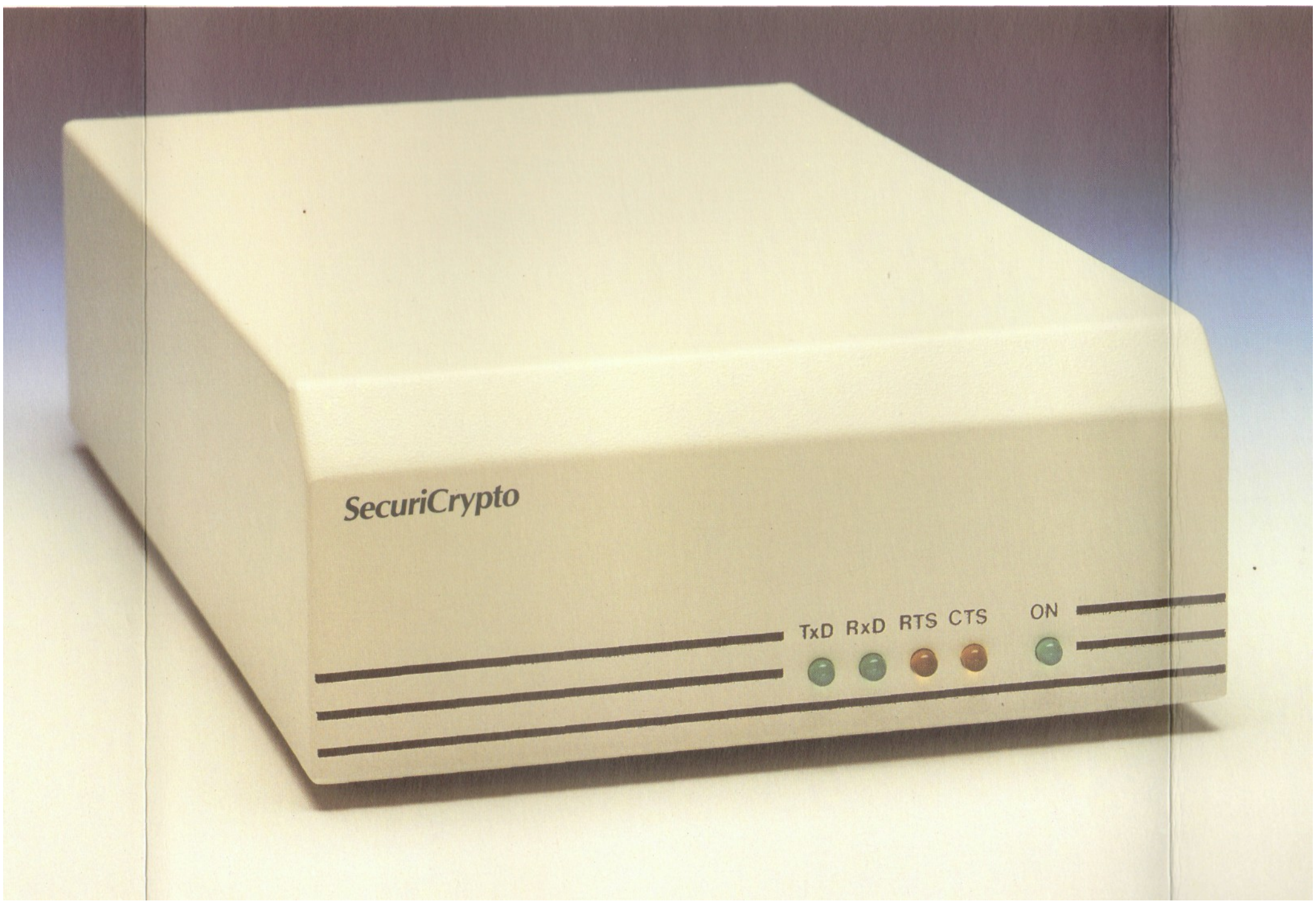


SecuriCrypto. Synchronous G703/G704

Type of communication:
High-speed digital links
Satellite transmissions
Typical applications:
Between front-end Computers
CAD/CAM
Encryption:
All data are encrypted
Transparent for various protocols, SDLC, HDLC, BISYNC, MONOSYNC e.g.
Communication:
Interface: *€703*
Character set: *Any ASCII, EBCDIC e.g.*
Protocol: *Transparent for l ine encryption*
Baud rate: *2.048Mbit*
Mode: *Füll duplex*

SecuriCrypto. Synchronous V35

Type of communication:
Fixed cables
Wide-band modern on leased lines
Typical applications;
Between front-end Computers
Terminal Controller to mainframe Computer
Encryption:
All data are encrypted
Automatic synchronization
Transparent for various protocols, SPLC, HDLC, BISYNC, MONOSYNC e.g.
Communication:
Interface: *V35 Synchronous*
Character set: *Any ASCII, EBCDIC e.g.*
Protocol: *Transparent for line encryption*
Baud rate: *Max. 2 MBaud*
Clock: *External dock (DCE source)*
Mode: *Füll duplex*



SecuriCiypto. Asynchronous V24

Type of communication:

Fixed cables
Modem, leased lines
Modem, dial-up communication

Typical applications:

Between PC's

Terminal to mainframe Computer
Communication with peripherals

Encryption:

All data between start bits and stop bits are encrypted
Variable encryption length for each byte (5—8 bits)
Automatic synchronization

Communication:

Interface: *V24 asynchronous (RS-232/C)*
Character set: *Any (ASCII, EBCDIC e.g.)*
Protocol: *Transparent for line encryption*
Baud rate: *300- 19,200 baud*
Clock: *Internat baud-rate generator*
Data bits: *5, 6, 7, or 8*
Stop bits: 7, 7.5 *or 2*
Parity: *even, odd or mark*
Mode: *Simplex, half- or füll duplex*

SecuriCiypto. Synchronous V24

Type of communication:

Fixed cables
Modem, leased lines
Modem, dial-up communication

Typical applications:

Between frontend Computers
Terminal Controller to mainframe Computer
Multipoint LAN

Encryption:

All data are encrypted
Automatic synchronization
Transparent for various protocols, SDLC, HDLC, BISYNC, MONOSYNCe.g.

Communication:

Interface: *V24 synchronous (RS-232/C)*
Character set: *Any (ASCII, EBCDIC e.g.)*
Protocol: *Transparent for line encryption*
Baud rate: *Max. 20,000 baud*
Clock: *External dock (DCE source)*
Mode: *Half- or füll duplex*

SecuriCiypto - general specifications

Encryption algorithm:

Algorithm: *SBL algorithm for bitstream encryption with double code generators*
Key length: *2x64,000 bits (l O³»-⁰⁰⁰ combinations)*
Automatic synchronization
Initial synchronization pattern: *48 bits*
Data formal: *Bitstream*
Internal Status combinations: *2.8x10'" = 280 000 000 000 000*

Other;

Self-test function
Power consumption: *110/220 V ±20%, 45-65 Hz, WVA*
Operating temperature: *0° till 50°C*
Storage temperature: *-20° till 70°C*
Panel indicators*: *Power on/off, encryption on/off TxD, RxO, RTS, CTS (Not X.2'i* Internal switch for encryption on/off, lockable
Lock: *ABLOY, safety lock, 360,000,000 combinations*
Dimensions: *270x180x78 (LxWxH)*

SecuriCrypto. X21

Type of communication:

Computer network

Fixed cables

Typical applications:

Communication between many Computers

Mainframe Computer to remote stations

Encryption:

All data are encrypted when communication is initiated

Automatic synchronization

Information required by network for communication, control is provided in plain text

Transparent for various protocols

Communication:

Interface: *X27*

Character set: *Any ASCII, EBCDIC e.g.*

Protocol: *Transparent in data phase*

Baud rate: *Max. 20,000 baud*

Clock: *External dock (DCE source)*

Mode: *Füll duplex*

Indication: *Power on, crypto on/off, T, R, C, I*

Option: *Incoming subscriber check*

SecuriCrypto. X25

Type of communication:

Packet-switching networks

Typical applications:

Communication between many Computers

Mainframe Computer to remote stations

Communication with other networks

Encryption;

Data in levels 1 — 3 are not encrypted

Data in levels 4 — 7 are encrypted

Subcriber number is checked on "Call request/accept"

Encrypted and non-encrypted subscribers can be stored

Modulo 8

16 LCN

Packet length: 64, 128 or 256

Approves all addresses

Controls CRC

Transparent for various protocols at level 4 and higher

Communication:

Interface: *X21 bis*

Character set: *Any for levels 4-7, ASCII or EBCDIC e.g.*

Baud rate: *Max. 20,000 baud*

Clock: *External dock (DCE source)*

Mode: *Füll duplex*