



TopSec 703
ISDN Encryption



TopSec 703

Reliable encryption of Euro-ISDN

- ◆ Encryption of voice, data, fax (group 4) and video conferences
- ◆ Transmission modes plain/encrypted
- ◆ Can be connected to Euro-ISDN S₀ interface
- ◆ Secure remote maintenance via Euro-ISDN
- ◆ Installation via plug & play
- ◆ Ease of operation and menu-guided administration

Multifunctional use in Euro-ISDN encryption

Increased networking of business and private communications provides ideal targets for eavesdroppers and spies. As a result, there has been a dramatic increase in illegal attacks on telephone and data networks.

But how can you effectively protect communication against unauthorized intrusion?

The TopSec 703 has been designed to protect communication via Euro-ISDN against any eavesdropping attacks. It provides reliable encryption for the following basic services:

- ◆ Voice
- ◆ Data
- ◆ Fax (group 4)
- ◆ Video conferences

The "top secret" encryption unit meets highest demands

With the TopSec 703, information can be exchanged via Euro-ISDN between two subscribers without any risk: the only prerequisite is that the called station must be equipped with a partner device from the TopSec family.



One of the possible applications of the TopSec703: teleworking

Encryption is based on a hybrid method and carried out separately for the two B channels. To attain maximum security, a combination of two algorithms is used: an asymmetrical algorithm with a 1024-bit key for key agreement, and a symmetrical algorithm with a 128-bit key for data encryption.

In the encryption mode, the TopSec 703 and the called station automatically agree on a new 128-bit key for each connection established. The 128-bit key is randomly determined from 10^{38} possibilities and erased as soon as the communication is terminated.

Tap-proof data transmission through plug & play

The TopSec 703 is simply connected between the terminal equipment and the Euro-ISDN connector, and encrypts all information transferred via Euro-ISDN.

The transmission mode (plain or encrypted) is selected by adding a code number to the number of the called station. When data is transmitted, the communication partners only have to check the LEDs on their equipment to be sure that the information is transmitted confidentially.

Specifications

Power supply	220 V, 50 Hz
Current drain	40 mA
Power consumption	9.2 VA (3.2 VA in standby mode)
Operating temperature	+5 °C to +40 °C
Storage temperature	-20 °C to +70 °C
Relative humidity	5% to 85%

Connectors	3 S ₀ female
Dimensions (W x H x D)	180 mm x 45 mm x 173 mm
Weight (incl. plug-in power supply unit)	890 g

Ordering information

TopSec 703	3531.6591
------------	-----------



If you would like further Information about ELAMAN,
or would like to discuss a specific requirement or project, please contact us at:

Elaman GmbH
German Security Solutions
Seitzstr. 23
80538 Munich
Germany

Tel: +49-89-24 20 91 80
Fax: +49-89-24 20 91 81
info@elaman.de
www.elaman.de