TopSec 701

Mobile protection for confidential data communication

- ◆ PCMCIA card for laptops
- ◆ High security level

- ◆ Top-quality data encryption
- ◆ Secure data communication via RS-232-C interface

- ◆ Easy installation via plug & play
- ◆ Independent of programs used

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Secure data exchange with laptops or notebooks

More and more sensitive data is being transmitted to and from mobile computers – as a rule, via a mobile phone or someone else's fixed exchange line. Anyone who makes use of the mobile options of information technology and thinks that their laptop is adequately protected by its PIN access and security software is at risk of suffering substantial financial losses. Damage caused by eavesdropping attacks runs into billions every year.

Experience shows that the main weakness is not the laptop, the mobile phone or the modem, but the path that your data takes to get from A to B. Analog, ISDN or GSM network: the data thieves are going mobile.

The TopSec 701 has been designed as a PCMCIA card to ensure high-quality encryption for data transmitted to/from the laptop and adequate protection on all data paths.

Use of top-security crypto technologies

With the TopSec 701, data can be exchanged between subscribers without any risk. The only prerequisite is that the called station must be equipped with a partner device from the TopSec family (e.g. TopSec 703 for transmission via Euro-ISDN or TopSec 701 for transmission via GSM, Euro-ISDN or analog lines).

For encrypted data transmission, you simply dial a prefix code. A combination of two algorithms is then used: an asymmetrical algorithm with a 1024-bit key for key agreement, and a symmetrical algorithm with a 128-bit key for data encryption.

For each connection established, the 128-bit key is randomly determined from 10^{38} possibilities and erased as soon as the communication is terminated.

Plug & play for absolute confidentiality

Simply insert the PCMCIA card into the laptop or notebook and connect to a modem-compatible mobile phone or any other modem by means of a data cable. The TopSec 701 can be integrated into any corporate network whose remote access server is equipped with a device from the TopSec family.

Configuration and installation of user groups is carried out by the system administrator. The administrator issues individual certificates, which are checked by the remote terminals when the connection is being set up (additional authentication in accordance with the RSA procedure).

Specifications

Power supply	3.3 V
Interfaces	RS-232-C up to 115 kbit/s
Encryption	asymmetrical for key agreement (1024-bit key) symmetrical for encryption (128-bit key)

Connection options	mobile phone with integrated modem, terminal adapter with V.110 protocol
	analog modem, only if the remote terminal also has a TopSec 701 device
Dimensions (H x W x D)	85 mm x 54 mm x 5 mm

Ordering information

TopSec 701	3531.6533
Connecting cable (accessory)	3531.6540

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