

Dear Customer,

We thank you for having bought this Siemens product and hope you will have success with it. In the event your Siemens product needs guarantee service, please contact your dealer or a member of our authorized service network. For technical questions please contact the service station.

**Sehr geehrte Kundin,
sehr geehrter Kunde,**

wir freuen uns, daß Sie sich für ein Produkt von Siemens entschieden haben und wünschen Ihnen viel Erfolg damit. Sollte Ihr Siemens-Produkt innerhalb der Garantie-Zeit einen Defekt aufweisen, wenden Sie sich bitte an Ihren Fachhändler, bei dem Sie dieses Produkt gekauft haben oder an eine unserer autorisierten Kundendienststellen. Bei technischen Fragen wenden Sie sich bitte an den Service.

Cher Client,

Nous vous remercions d'avoir choisi un produit Siemens et nous vous souhaitons beaucoup de succès avec cet équipement. Si votre produit Siemens devait présenter un défaut quelconque au cours de la période de garantie, veuillez vous adresser à votre revendeur ou à l'un de nos services après-vente agréés. Pour toute question technique, adressez-vous au service après-vente.

Gentile Cliente,

La ringraziamo per aver acquistato questo prodotto della Siemens e Le auguriamo di aver con esso molto successo. Qualora il Suo prodotto Siemens dovesse subire un guasto durante il periodo di garanzia, La preghiamo di rivolgersi al Suo rivenditore autorizzato, presso il quale ha acquistato questo prodotto oppure ad uno dei nostri servizi di assistenza autorizzati. Per questioni tecniche si prega di rivolgersi al service apposito.

Estimado cliente,

Le agradecemos que haya adquirido este producto Siemens y esperamos que siga satisfecho con su compra. Si se diese el caso de que su producto Siemens requiriese al servicio de garantía, póngase en contacto con su distribuidor o con un representante de nuestra red de servicio autorizado. En caso de consultas técnicas, diríjase al Servicio al cliente.

START 

Service:

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Integration & Customer Service
Hofmannstrasse 51
D-81359 München

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e-mail: mc.support@mch.siemens.de
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Contents of the CD-ROM

Title	Page
"TopSec 701_PC Card" Operating Instructions	►
Prologue, Service, Start	►
Contents	1
Copyright Statement, Trade Marks	2
Introduction	3
Technical Data	4
Important Notices	
- Notes on presentation	5
- Safety Notices	5
- FCC Compliance Statement	6
- Problem Solutions and Tips	7
The First Steps	
- Installing the PC Card	8
- Removing the PC Card	8
Installation and Configuration	
- Installation Instructions	9
- Short Operating Instructions	9
For Windows 95/98	10
- Installation	10 - 11
- Configuration	12 - 14
For Windows NT 4.0	15
- Installation	15 - 17
- Configuration	18 - 20

For Windows 2000	21
- Installation	21 - 23
- Configuration	24 - 27
Data Transmission with Mobile Phone via IrDA	
- Modem operation to GSM network	
- Transmission device "mobile phone"	28
Data Transmission with Mobile Phone via RS232	
- Modem operation to GSM network	
- Transmission device "mobile phone with integrated modem"	
- Establishing a connection between "modem" and "TopSec 701" with "modem cable"	29
Modem Data Transmission via RS232 Interface	
- Modem operation to telephone cable network	
- Transmission device "modem"	30
TopSec® Encryption System	
for "Teleworkers"	31
Original Accessory	
- TopSec 701_Modem Cable	32
Product Informations "TopSec®"	
Open the file start.pdf with the double click.	►

Copyright Statement

Copyright © Siemens AG 2000.

All rights reserved, in particular those of translation, reprinting, copying or similar process (even in part).

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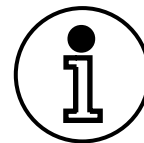
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Windows® NT 4.0
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TopSec®



Applications

"TopSec 701" serves to protect the transmission of any electronic data from access by third parties in public communications networks. Example: Safe transmission of confidential information to mobile employees.

Remote Devices

Mobile phones with integrated modem function.
Terminal adapter with V.110 support.
Analogue modems (no connection to TopSec ISDN devices).

Product Description

The "TopSec 701" provides a mobile employee with secure access to data in the head office. It has been implemented as a PCMCIA card and behaves like a modem card. All information transmitted via the "TopSec 701" can be encrypted. A modem has not been integrated into the "TopSec 701" but rather is connected externally. This provides the greatest flexibility since any modem can be connected to the serial port. Mobile telephones which contain modem functionality can be connected through the infrared (IrDA) interface.

When using devices from the TopSec family, data which is to be transmitted between two TopSec devices over a public network can be encrypted. Therefore between two TopSec 701 devices any data can be exchanged in an encrypted form as long as the connecting modems can communicate with each other. In addition it is possible to exchange data between "TopSec 701" devices and TopSec devices in an ISDN network (TopSec 703/730). Top Sec ISDN devices support V.110 protocol for adapting the data rate of the modem connected to the "TopSec 701".

Operating

In the factory the devices are configured so that they can communicate in a so-called public user group. The "TopSec 701" can be operated encrypted or unencrypted. The type of operation is chosen by a mode number which is prefixed onto the telephone number of the remote end when dialing. Additional security is provided by the administration of a TopSec device. The device is given an individual certificate from the administrator site (accessory). The device checks the certificate from the remote site after a connection has been established. In this way closed systems can be established. Issuing certificates and assigning rights is done by the customer from the administrator site.

Encryption

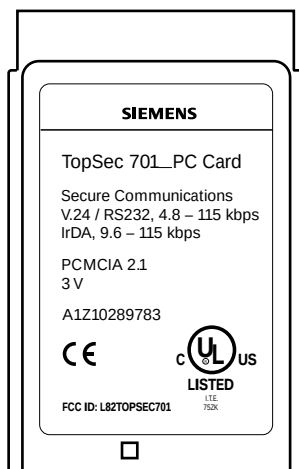
TopSec devices work according to public key procedures. This makes key management easier for the user. The user data is encrypted using a symmetrical algorithm according to a procedure developed by Siemens. This algorithm uses a 128 bit key. Both partner devices need the same key for this procedure. This is achieved by Diffie Hellmann key negotiation procedures using random numbers. The Diffie Hellmann procedure works with TopSec devices using a 1024 bit key. After the symmetric key's period of use is over, the key is deleted and re-created at the next connection. An authentication is additionally carried out for administration devices. This is done according to the RSA procedure. This procedure also uses a 1024 bit key.

Secure Communications

This product was successfully tested for electrical safety and electromagnetic compatibility by the following organizations.

Description and Dimensions

TopSec 701, PC Card (PCMCIA 2.1)	Typ II card (5mm)
Dimensions	L x B x H : 85,6 mm x 54,0 mm x 5,0 mm



Encryption

Symmetrical user data encryption with 128 bit key.
Asymmetrical key negotiation according to Diffie Hellmann with 1024 bit key.
Authentication according to RSA with 1024 bit key.

Environmental Conditions

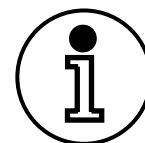
Condition	Temperature of Environment	Relative Humidity
In operation	0°C to +60° C	20% to 85%
Storage out of operation	-20°C to +70° C	10% to 90%
Transport in appropriate packaging	-25°C to +60°C	10% to 98%

System Requirements

Operating Systems:

Windows 95/98
Windows NT 4.0
Windows 2000

Pentium processor (166 MHz or higher recommended)
Adobe Acrobat Reader 4.0 (on CD-ROM)



Electrical Requirements

Power supply	3.3 V
Serial interface	V.24 / RS232, 4,8 -- 115 kbps
Infrared interface	IrDA, 9.6 -- 115 kbps (range ca. 30 cm)

Certifications

CE	93/68/EEC 89/336/EEC EN 50082-1 EN 55022 class B EN 61000-4-2 EN 60721-3-7 EN 60721-3-3 EN 60721-3-1 EN 60721-3-2	EU guideline for CE classification Electromagnetic compatibility (EMC) Basic specification, interference immunity Radio noise characteristics / Information-technology systems ESD (enhanced requirements) Vibration Operating temperature Storage temperature Transport conditions (in appropriate packaging)
UL CSA DEMCO	Combination approval according to US guidelines and Canadian guidelines: File E208121, Project 00SC03443, Control number: 75ZK, Product Identity: I.T.E.	
FCC	FCC ID: L82TOPSEC701	

Original Accessory

Modem Cable

Order number:
A5B00100019876

Typographical Conventions



In this manual the following typographical conventions are used:

A notification flagged by a warning symbol means that if you ignore it your health, the functioning of your PC Card or the security of your data is endangered.



Information symbol indicates additional information and tips.



► Indicates a step that you must carry out.

Bold text

Represents steps, explanations and onscreen directions (buttons) in the displayed screenshots.

Italics text

Indicates commands, menu items or the page index (bottom right next to page number).

Underlined text

oder ►

Indicate a "Link" you can click on.

Safety Precautions

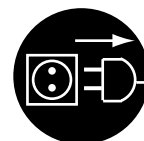


Observe the safety precautions pertaining to the usage of your PC Card.

The system requirements must be checked and filled.

Before operating the PC Card observe the information pertaining to environmental requirements in the [Technical Data](#) chapter.

When using the product, pay attention to the notes in the [Installation](#) and [Configuration](#) chapters.



Remove the power plug from all affected devices if you connect or disconnect a device. During an electrical storm you should neither plug-in nor unplug the cables.



This PCMCIA card fulfills the requirements of the EU guideline 89/336/EEC "electromagnetic compatibility".



This product is tested and approved for the UL and C-UL classification according to the US guidelines and Canadian guidelines.
Reference-No.: File E208121, Project 00SC03443,
Control number: 75ZK, Product Identity: I.T.E.

FCC ID: L82TOPSEC701

FCC Compliance Statement

FCC ID: L82TOPSEC701

Information to the User

NOTE:

This equipment has been tested and found to comply with the limits for a class B digital peripheral, pursuant to Part 15 of the FCC Rules and meets all requirements of the Canadian Interference-Causing Equipment Regulations. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/T.V. technician for help

Change or modifications not expressly approved by
Siemens Aktiengesellschaft
could void authority to operate the equipment.

If necessary, the user should contact the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems."
This booklet is available from the US. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.