



Security Management Centre SMC-1100 MultiCom Radio

The Security Management Centre SMC-1100 MultiCom Radio is the computer-based Security Management Centre which allows you to perform all security tasks for the operation of your Crypto AG MultiCom Radio encryption units. It simplifies the management of your system and increases its operational availability. Your organisation works more efficiently and cost-effectively on a secure, reliable basis.

The SMC-1100 MultiCom Radio offers menu-driven offline security management. It allows you to map your security requirements to network conditions. You use a Windows® based interface that is easy to operate and requires no lengthy training. All actions are transparent and are logged to allow error correction and audits.

The structure of your communication network is based on geographical, hierarchical or functional requirements of your organisation. With its easy-to-understand folder structure, the SMC-1100 allows you to mirror your network infrastructure and to set up secure communication connections. The setup of the MultiCom Radio encryption unit includes both the security and the configuration parameters. As an example, you can adapt the internal modem configuration, signal levels or interface parameters. The offline distribution of security data is done with security data carriers.

Protection of your security management is as uncompromising as that of your communication. The same security mechanisms and algorithms are used to encrypt the database and the distributed management data. No sensitive information can be extracted in any form.

With the Crypto Security Architecture all security aspects have been professionally taken care of. The security concepts for all

Crypto AG encryption products are similar. If you operate other SMC-1100 applications, you benefit from the uniform structure and save on costs.

Key features

- User-friendly, centralised security management
- Comprehensive Crypto Security Architecture
- Tamper-proof security module
- True random key generation
- Cryptographically protected security data in a database
- Secure management data distribution
- Distribution of complete encryption unit setup (security & configuration parameters) with SDCs
- Backup and restore support for security data

General information

The SMC-1100 is a hardware and software package containing a security management application running in a Microsoft® Windows XP operating environment. A security module provides all the security relevant functions such as encryption, access control and true random generation of cipher keys for the network. Once the units have been set up for use with the SMC-1100, cryptographic data and parameters, including the generation and distribution of all cipher keys, can be securely and efficiently administered from one central location.

Security management application

The security management application provides a user interface for security personnel to enter, view and update cryptographic data and configuration parameters for all encryption units. All information is stored cryptographically protected in the database on the hard disk. Data can be distributed offline with SDCs and online with ciphered management messages. Backup and restore of a ciphered network setup is supported by exporting the database to an encrypted file and backup SDC. A detailed event log provides information for activity analysis and troubleshooting.

Security module

A security processor provides a tamper-proof environment for the cryptographic algorithm and cipher keys. No security relevant data is ever available to the outside world in plain form, neither during generation in the SMC-1100, or during transfer to the encryption units, nor after destruction. The cipher keys for the units can be produced using a true random generator to ensure complete secrecy for the keys in the network.

Delivery content

Software

- CD ROM with SMC-1100 MultiCom Radio software

Security modules

- Set of 2 security modules HCM-6090 MultiCom Radio
- Customer specific algorithm

Personal computer

- Notebook or desktop computer including a complete installation of the SMC-1100 MultiCom Radio application

Documentation

- User manual SMC-1100 MultiCom Radio
- Online help integrated in security management application
- CD ROM with user manual and online help

Accessories

- Chip Card Reader CCR-1050 for ruggedised Security Data Carriers
- Set of ruggedised Security Data Carriers
- Set of Security Data Carriers (SDCs)

Approvals

Quality system

- ISO-9001:2000

Conformity

- CE (European conformity)

Options

Online key management

- Over the air re-keying (OTAR) with additional message scheduler

SMC-1100 application packages

- IP VPN
- Broadband
- Frame Relay

MultiCom Systems

