

# Rohde & Schwarz SIT GmbH

## Product Overview

### Solutions for secure communications in critical infrastructures

Product	Description	
<b>End-to-end encryption</b>		
	<b>TopSec Mobile</b>	This Bluetooth® connected voice encryption device for mobile phones provides confidential, manipulation- and tap-proof communications around the world.
	<b>R&amp;S®MKS9680</b>	Modular, robust encryption device for encrypting voice, fax and data transmission over analog and digital landline networks and satellite links. Works even in highly distorted PSTN and ISDN networks. Can also be used in IP networks together with R&S®IP-GATE.
	<b>ELCRODAT 6-2</b>	Government encryption system for secure voice and data transmission of the highest German and NATO levels of classified information. Available for basic rate access (S <sub>0</sub> ) and primary rate access (S <sub>2M</sub> ). Consists of encryption devices and management, service and logging stations. Can also be used in IP networks together with R&S®IP-GATE.
	<b>R&amp;S®IP-GATE</b>	IP gateway for the most recent models of the R&S®MKS9680 and ELCRODAT 6-2 encryption devices. When used with these encryption devices, the R&S®IP-GATE enables communications on land- and satellite-based IP networks to the highest security standards.
<b>Network encryption</b>		
	<b>R&amp;S®SITLine ETH1G</b>	Provides high security for corporate and governmental networks based on carrier and metro Ethernet services. Ensures reliable and efficient protection of the confidentiality and integrity of the transmitted data.
	<b>R&amp;S®SITLine ETH100</b>	
	<b>R&amp;S®SITLine ETH50</b>	Robust, compact Ethernet encryptor for 25 Mbit/s, 50 Mbit/s and 100 Mbit/s. Fanless device for wide temperature range (-20°C to +70°C) to be used in non-air-conditioned rooms, on desktops and in moving vehicles.

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Product	Description	
<b>Crypto modules</b>		
	<b>R&amp;S®CryptoServer</b>	Hardware security module as PCI/PCIe card or LAN device for network server operation. High-performance provision of cryptographic functions (e.g. AES, elliptic curves, physical random number generator) for public key infrastructures and eID services. Tamper-proofing, storage protection and zeroizing provide maximum security. Certified by BSI, ZKA and NIST.
<b>Military devices</b>		
	<b>ELCRODAT 4-2</b>	Multimode encryption device suitable for field use, designed for encrypting and decrypting analog and digital messages in stationary and mobile communications systems. In line with AMSG 720B and approved for protecting the transmission of all German and NATO levels of classified information. Interoperable with KY-57/58, ANDVT, KG-84A/C and other NATO encryption devices.
	<b>ELCRODAT 5-4</b>	Device for use by military organizations and government authorities for the encrypted transmission of voice and data signals in analog and ISDN networks. Ensures secure end-to-end encryption, also across networks.
	<b>R&amp;S®MMC3000</b>	Multifunctional multimode encryption device for customized encryption and decryption of analog and digital messages for out-of-area missions and non-NATO countries. Suitable for civil applications and for field use in stationary and mobile communications systems (e.g. in cabins, wheeled and tracked vehicles and on board ships and aircraft). Includes its own key management system and can be modularly expanded.
	<b>R&amp;S®KGE3000</b>	Hardware-based true random number generator and encryption module for the R&S®MMC3000 and R&S®M3TR. Provides raw data for symmetric and asymmetric keys in line with NIST SP800-22, DIEHARD and AS31-P2. Cryptographic post-processing is based on AES256 CBC MAC. Built-in test procedures ensure the continuing quality of the data supplied.
	<b>R&amp;S®FT5066</b>	Trusted filter with firewall functionality for red/black separation for control information in radios and modems. Separate and autonomous built-in tests ensure the continuous integrity of the device.

## Service you can rely on

- | Worldwide
- | Local and personalized
- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

## About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

## Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability

Certified Quality System  
**ISO 9001**

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