

# SINA Communicator H

Everything else is just a phone



Soon available:  
SINA Communicator S  
for German national  
RESTRICTED (VS-NfD)



# **SINA Communicator H combines the requirements of SECRET voice communication with the habits of modern working life and is the Multi-Crypto Phone for Today's Challenges and Future Applications.**

Phone calls, messaging services, collaborating, using thin clients, exchanging files and much more – certified up to classification level German national SECRET (GEHEIM).

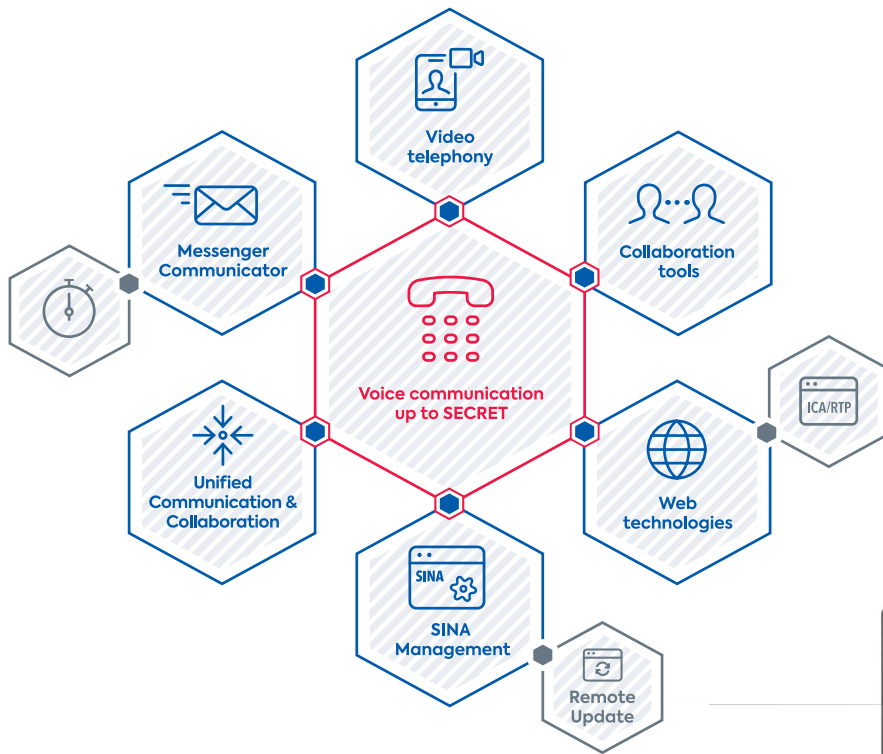
At present, outdated ISDN encryption systems are still almost the only ones used for secure voice communication in public administration and even by the Federal Armed Forces. However, German network operators will be shutting down ISDN in the foreseeable future, which will bring about the use of new, more modern encryption systems.

The latest SINA Communicator H is based on the proven SINA architecture and was specifically developed for this purpose. It has been designed as a modern desktop end-device for voice and data communication and is approved up to the German GEHEIM (SECRET) classification level. SINA Communicator H can be operated both within government networks and directly on the Internet. It takes advantage of proven Internet standards for Voice over IP (VoIP) and can therefore use existing, commercially procured switching infrastructures

that are capable of Session Initiation Protocol (SIP). Even NATO protocols such as the Secure Communication Interoperability Protocol (SCIP) have been implemented to enable secure communication with allies.

## **More than just a SECRET phone**

SINA Communicator H offers All-IP technology at the highest security level, including modern NATO protocols. In addition to the central functions for secret voice communication in the form of direct calls or conference calls, the architecture of the system allows many other modern functions to be integrated. Moreover, the multi-level capability allows these functions to be used in different security domains, such as the German national GEHEIM or VS-NfD.



The innovative architecture of the device enables the integrated 10.1" touch screen to be split dynamically into different security domains and applications. Thus, in addition to voice communication, it is also possible to integrate proprietary applications into a holistic usage concept. The SINA Communicator H can be used in combination with appropriately tampered peripherals (monitor, keyboard and mouse), but also via touch display as a full terminal workstation up to German national SECRET (GEHEIM). Future expansion stages will include secure notification/text communication options and video telephony. Other common tools such as web clients, operational fax support, file and document exchange, multi-party messaging, etc. can also be added.

## Proven and tested IT security architecture

SINA is a concept for securing IP-based networks using Ipso and associated key management system (IKE, PCIE), a type A cryptographic suite, and a (restricted) multi-level environment. Based on an IT security architecture developed by the German Federal Office for Information Security (BSI), SINA thus enables protected processing and controlled exchange of data in insecure infrastructures. SINA is already in use in most German federal agencies and several state agencies. With over 170,000 installed systems, SINA is the leading security architecture in the Federal Republic of Germany.



Thin client functionality for editing content and documents via integrated touch display or external monitor

## Benefits

- Modern end-device concept for German national SECRET (GEHEIM)
- All-IP technology at the highest security level
- Post-quantum cryptography
- Mutli Level Data Separation with easy selection of various security domains via the display
- Always comes with a 10.1" touch display and optionally with a 27" screen, mouse and keyboard
- Award-winning design and usability
- Convenient configuration and administration using SINA Management, which is widely established with authorities
- Needs-based and future-proof

## Investment protection through simple migration

It is already possible to communicate with a SINA Workstation using a secure IPsec connection via VoIP, either in an integrated, dedicated VoIP workplace or in a soft client integrated in a virtual machine (VM). With SINA Communicator H, it is possible to integrate a downward-compatible, IPsec-secured communication to former SINA Workstations with a VoIP workplace. This makes it easier to migrate today's SECRET-enabled VoIP voice communication system to SINA Communicator H, thus securing the respective investments.

## Management

The SINA Workstation is configured and controlled centrally in the network via the SINA Management. An integrated Public Key Infrastructure with associated user management system supports critical administrative processes involving SINA Smartcards or SINA Smartcard Tokens. This particularly includes their customisation, the generation and updating of keys and cryptographic parameters, and the administration of their PINs and PUKs.

## Approval-related construction classes



### SINA Communicator H

Performance data	
Approval	German national SECRET (GEHEIM)
Boot integrity protection	coreboot
Software versions	1.x
SINA CORE device	National
Manipulation protection	SINA CORE-based
Emission protection	Zone 1/SDIP-27 Level B and Zone 0/SDIP-27 Level A
Authentication token	SINA Smartcard

\* Approval sought

## Technical data

General data		
Size (W × H × D)	255 × 220 × 223 mm	✓
Weight	ca. 5.5 kg	✓
Performance data		
CPU	Intel® Atom® x5-E3940	✓
RAM	8 GB ECC	✓
Boot medium	40 GB	✓
Voltage supply	110–240 V	✓
Power consumption	45 Watt	✓
Monitor		
Integrated display	Integrated 10,1" multi touch LCD-screen with 1280 × 800	✓
External monitor	3840 × 2160 (4K)	✓
Interfaces basic configuration (Zone 0/SDIP-27 Level A)		
USB 2.0	Type A	1x
Audio	Audio and headset	✓
Cryptomodule	SINA CORE COM	✓
Smartcard reader	CORE Token	1x + 3x more
Network	2x 1000 MBit/s (1000Base-SX) LC	1x "black" SINA CORE, 1x "red"
Interfaces full configuration (Zone 0/SDIP-27 Level A)		
USB 2.0	Optical for keyboard and mouse	2x
Monitor	Optical display port	✓
Network	1000 MBit/s (1000Base-SX) LC	1x "red"
Interfaces full configuration (Zone 0/SDIP-27 Level B)		
USB 2.0	Type A (keyboard and mouse)	2x
Monitor	Display port	✓
Network	1000 MBit/s (1000Base-SX) LC	1x "red"
Temperature ranges		
Operation	+5 °C to +35 °C at 80% processor load	✓
Transport and storage	-20 °C to +60 °C	✓

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