SINA®

Flexible Working with SINA:
The Perfect Combination
# of Security and Convenience

secunet

Security and Convenience Growing Together

The modern workplace needs to be increasingly flexible. There are high expectations in terms of convenience, security and efficiency. However, the reality often looks quite different: regulations regarding internet use and the daily handling of data and documents which serve the required security often are at the expense of convenience and productivity.

With the SINA Workstation as a desktop, notebook or tablet, you can have both security and convenience, online and offline, as you move at will around your trusted working environment. At the same time, you will always have access to data and documents from your working environment: you can use all the functions of your familiar applications and apps, such as email, word processing, presentation slides, spread sheets etc. from anywhere in the world. With a voice and video conference system, you can conduct conversations in real time and your telephone set will become redundant, thus enabling you to reduce telephone costs. Thanks to the tablet's handwriting recognition feature, you always have your notepad with you. Enjoy the mobility and flexibility of your familiar workstation as well as the additional benefit of constant security with the SINA Workstation.
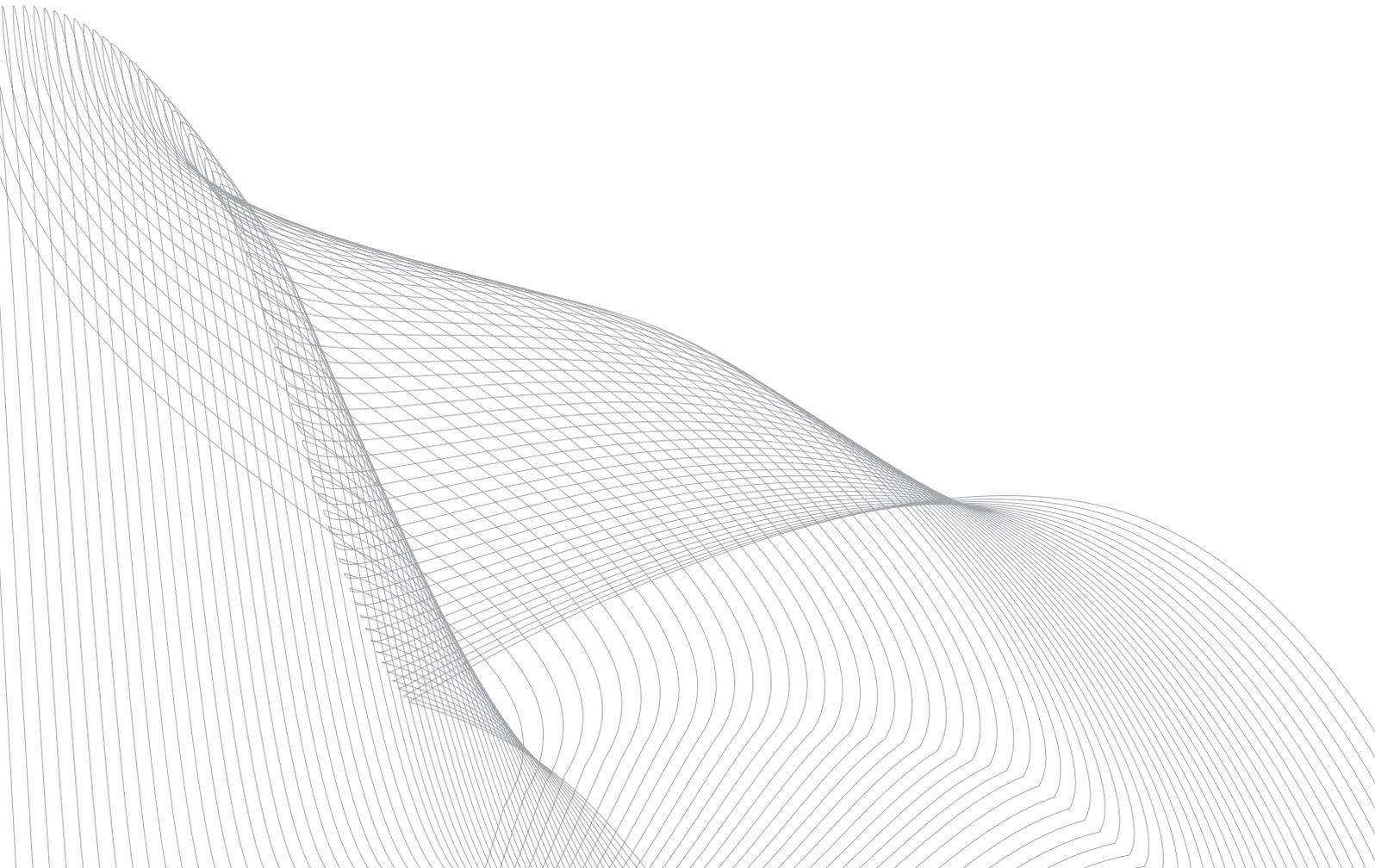
The SINA Workstation
An Efficient Security Architecture

With the SINA Workstation, your data are always protected against unauthorised access everywhere. The SINA Workstation executes so-called guest operating systems such as Windows or Linux and all of their applications in a virtualised environment. As a result, they remain completely separate from each other at all times and even guest operating systems with different safety classifications are executed simultaneously. This enables you, for instance, to work with a guest operating system in the internal VS network while simultaneously surfing the internet with another system from one and the same workplace – without running a risk of compromising your network with viruses or Trojans.
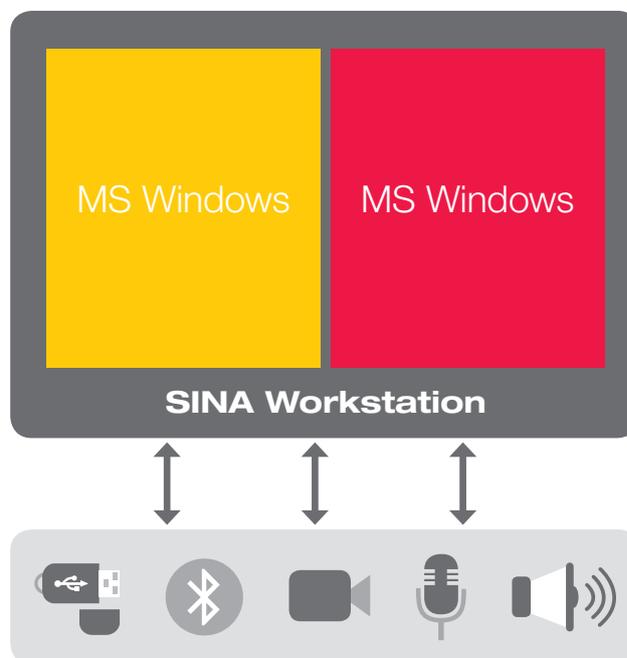
Accesses to devices and interfaces are always executed under the control of the SINA secure operating system. All hard disks accesses and network connections are automatically encrypted by SINA in a manner which is transparent for the executed guest operating systems and applications without further manual interaction with the user. Access to the encrypted data can be obtained only with a PIN-protected SINA ID Token – in the form of a smart card, a USB token or a microSD card. The access rights, i.e. who can access which security domains or external interfaces with his SINA Workstation, can be assigned centrally in a user and classification-specific way via SINA Management.

This ensures that you will be able to work conveniently in your familiar environment,

safe in the knowledge that you can retrieve your data and documents from or process and save them in, any location or network at any time.

All security requirements in a single product – with BSI approval

The perfect combination of security, efficiency and convenience: all SINA clients of Line S are designed for the special security requirements of critical infrastructure operators, private companies entrusted with confidential information, public authorities, Federal Armed Forces and ministries approved for VS-NfD as well as for VS-V Offline. Furthermore, the E and H lines also fulfil the highest requirements in all national security classifications up to and including SECRET.

Security and mobility without constraints

Whether as a desktop, a notebook or a tablet – the SINA Workstation is easy to operate and can be used flexibly. With its holistic security concept, it offers much more than conventional cryptographic devices: VPN, hard disk encryption and interface control combined with two-factor authentication.

Working together securely - regardless of your location

High security is often associated with limited performance and reduced application possibilities. Not with the SINA Workstation. It stands the test with programs like Share-Point and Skype for Business, thus meeting the demands of the modern working world: no matter where you or your colleagues happen to be located, whether you're on the go or at another location – with desktop sharing you can jointly work on documents or discuss them on the whiteboard securely. At the same time, you also can see your colleagues during video conferences.

All of your data, including text, image and even audio data, can be transmitted and processed securely at any time. You can deal with sensitive issues and conduct confidential talks with colleagues, partners or customers from anywhere in the world. You save on travel time and costs. There is no longer any need to purchase and operate additional equipment for processing sensitive data and for secure telephony.

As SINA ID Token the microSD card offers the highest possible protection for authentication, integrity protection and encryption while taking up the smallest possible space.

The SINA Workstation uses proven SINA VPN technology (IPsec) to communicate with the Office network. Secure access to the SINA networks can be either wireless or via an Ethernet connection.

The SINA Workstation – security via tokens

The SINA ID Token contains the initial configuration data and security relationships for the SINA Workstation and also provides secure storage for cryptographic keys and certificates. In this way, it ensures the secure identification and authentication of users. You receive the token optionally in the form of a smart card, a microSD card with a fingernail-sized USB adapter or a G&D USB token, so that the corresponding devices can easily be locked and unlocked via quick insertion and removal.

The SINA Tablet – Maximum Flexibility

With the SINA Tablet, you are ready to go any time and anywhere: at your desk with an external monitor and a large keyboard, on the go with a pluggable keyboard or a touch screen; in the office, on a business trip, in your home office or in the conference room – the application scenarios of the SINA Tablet are diverse and numerous.

At the same time, the SINA Tablet offers the highest possible level of security, with all the advantages of multilevel / multisession functionality. Based on the SINA Workstation, the SINA Tablet combines all known applications. Furthermore, it offers (multi-) touch support and a virtual touch keyboard for SINA OS and guest operating systems.

The SINA Tablet is compatible with all SINA products and therefore ideally suited to integration in the existing network infrastructure. Windows 10 enables seamless integration in Windows environments, thus allowing for further use of the Microsoft application world in the usual manner.

Three devices in one – benefits for all

Using only one device simplifies your work as a user by giving you a never changing view of guest operating systems, applications and documents. Connection to the office network means that you always have local access to all documents, thus eliminating annoying synchronisation of different devices.

From a technology point of view, the existing Windows infrastructure does not change. This means that you as an administrator will not have to perform any cumbersome installations, maintenance and support of different software and hardware worlds. The complex administration of various individual components from different manufacturers is also no longer necessary.

Your company will save costs for additional security software, VPN gateways and management systems because the SINA Workstation includes all of the required security functions and is a holistic security concept. The need to purchase additional user devices, e.g. for secure telephony or processing sensitive data, is thus eliminated.

SINA Apps – modern and convenient

The SINA Tablet features the same convenient operability as common mobile devices in every respect. For example, the practical SINA Apps enable automated login to WLAN hotspots and launching of the VoIP and video conference system. In the future, a password safe and additional flexible thin clients will also be offered via SINA Apps.

Welcome to the world of Windows 10 – with a single touch

Use the modern and touch-enabled forms solutions, logistics applications and document management applications (e-file) as well as OneDrive for Business with SharePoint connection.
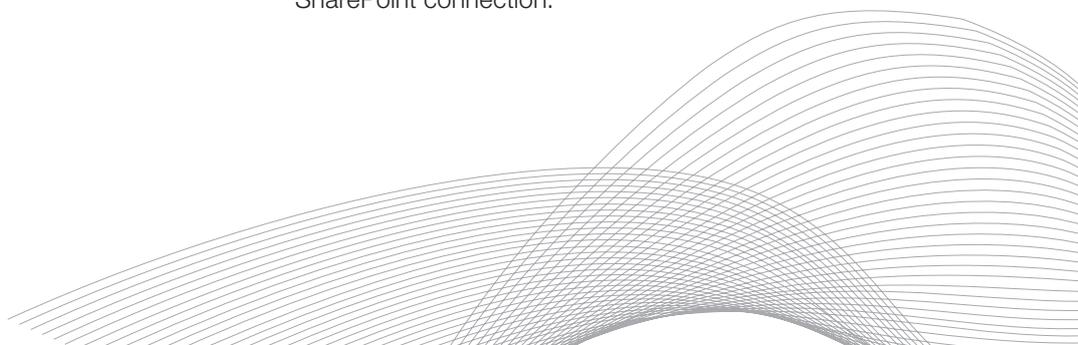
All Benefits at a Glance

Highly secure

▶ Highly secure in the processing, storage and transmission of classified data

▶ Secure parallel operation of multiple virtualised guest operating systems in a single client, all security domains on a single workstation (multi-session / multi-level functionality)

▶ Protection against threats from the internet such as viruses and Trojans by separating the guest operating systems and supporting ReCoBS-based solutions

▶ Smart-card-based authentication

▶ IPsec-protected communication via LAN/WAN, including VoIP, WLAN and UMTS/LTE

▶ Session-specific cryptographic file systems

▶ Integrated hardware interface control

▶ Firewall functionality

▶ Wide range of national and international approvals

Convenient

▶ Secure operation in the user's familiar system environment (e.g. MS Windows up to Windows 10 or Linux)

▶ High performance with an appropriately dimensioned security level

▶ High user convenience and transparent security functions

▶ Easy switching between guest operating systems

▶ Automatic connection to configured WLAN hotspots

▶ Show/hide Secure Label indicates in which security domains and with which guest operating system the user is currently working

▶ Universally applicable – mobile and stationary both online and offline

▶ Support of diverse state-of-the-art and high-performance hardware models

▶ Easy integration into existing IT infrastructures

▶ Easy and central administration of all clients thanks to SINA Management

▶ Simple migration from existing Win7-based APCs and specialist processes (MS Office, Lotus Notes, SAP…)

The Service Portfolio at a Glance

When combined with additional hardware, even the "small" version, i.e. the SINA Tablet, enables convenient operation just like the mini desk or the notebook with docking station.

For telework or office work, the mini desk version of the SINA Workstation is available as a thin or fat client. The box, which is about as large as a double CD case with all important connections and manageable cable connections, takes up little space on your desk.
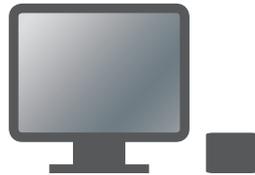
The SINA Tablet is ideal for mobile working: for example, it can be used to read and process emails quickly and easily and to research information or take notes while on the go. When combined with a docking station, a keyboard and a monitor, the tablet also can be used at a fixed location just as conveniently as the notebook or mini desk.
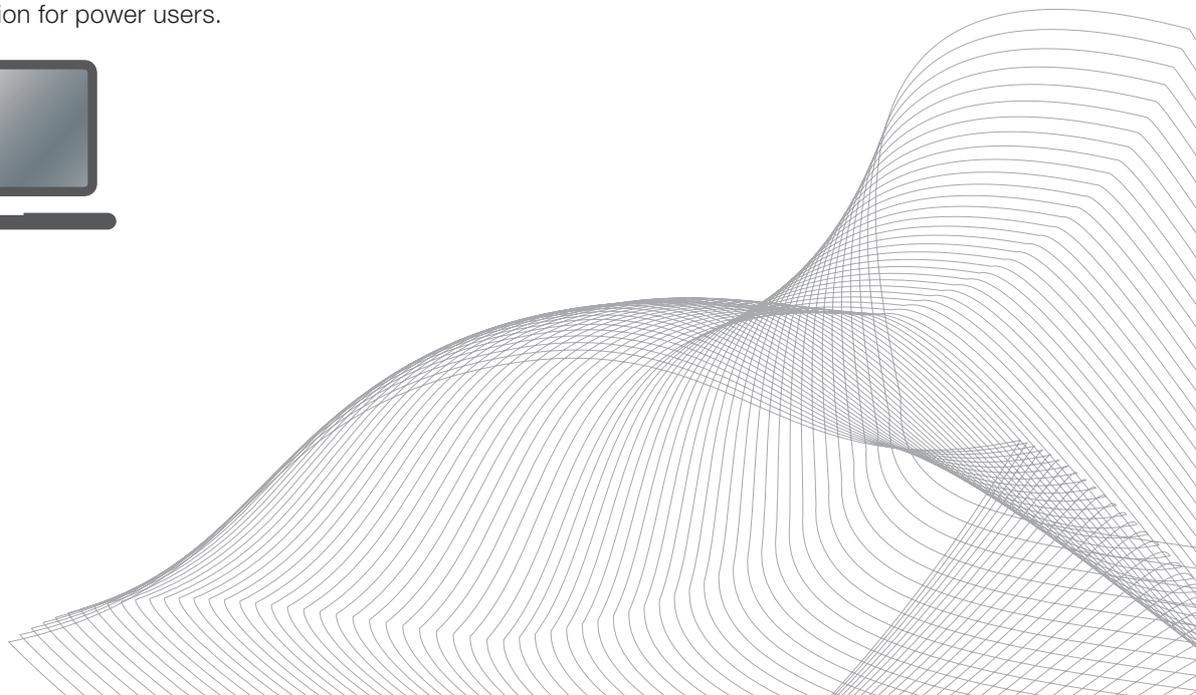
When combined with a docking station, the SINA Workstation notebook ist functionally comparable to the mini desk. However, it is even more flexible regarding its applications, since it can be taken along on business trips and also enables convenient and flexible operation while on the go. secunet offers diverse notebook models for every application, ranging from the 12-inch ultrabook for frequent travellers through 14-inch ultrabooks up to the 15-inch workstation for power users.

And when will you order your SINA client?

Public authorities can procure SINA technology based on the framework contract 5070 (cryptographic devices of the SINA family) of the Procurement Office of the German Federal Ministry of the Interior. All other national and international customers have secunet readily at their disposal.

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