




The perfect combination of security and convenience:

Technology for data security on the move



Product portfolio:

The hardware specifications of the SINA Virtual Workstation are as individual as the scenarios of use and levels of security:

	SINA Virtual Workstation B	SINA Virtual Workstation S	SINA Virtual Workstation H
Required level of security	Basic	Medium	High
Summary	<ul style="list-style-type: none"> ■ Software cryptography ■ Multi-session enabled ■ Parallel processing of data designated as public and RESTRICTED (VS-NfD) ■ Supporting numerous standard hardware models 	<ul style="list-style-type: none"> ■ Software cryptography ■ Multi-session enabled ■ Parallel processing of data designated as public, RESTRICTED (VS-NfD) and CONFIDENTIAL (VS-VERTRAULICH) ■ Anti-Tamper ■ Zone 2 	<ul style="list-style-type: none"> ■ Software/hardware cryptography ■ Multi-session enabled ■ Parallel processing of data designated as RESTRICTED (VS-NfD), CONFIDENTIAL (VS-VERTRAULICH) and SECRET (GEHEIM) ■ Anti-Tamper ■ Zone 1
Approvals	 RESTRICTED (VS-NfD)  NATO RESTRICTED  RESTREINT UE	Up to and including CONFIDENTIAL (VS-VERTRAULICH) NATO CONFIDENTIAL RESTREINT UE	SECRET (GEHEIM)



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SINA VW: All benefits at a glance.

Maximum security	Convenience
<ul style="list-style-type: none"> » In the processing, storage and transmission of classified data » Virtualisation: Secure operation of multiple workstations in a single system (including use of internet while processing classified information) » Multi-session concept: Parallel operation of various classified, virtualised Windows® or Linux guest systems » Protection against threats from the internet such as trojans and viruses » Strong 2-factor authentication » Encryption: Hard drives, network including VoIP » Firewall functionality » Hardware interface control » Approved by BSI up to SECRET (GEHEIM) level; additional international approval up to NATO CONFIDENTIAL and RESTREINT UE levels 	<ul style="list-style-type: none"> » Secure working in customary system environment (e. g. Windows®) » High performance combined with maximum security » High level of user convenience and transparent security functions » Suitable for fixed or mobile use » Online and offline » Range of hardware variants » All-in-one solution yielding high energy efficiency » Easily integrated into existing IT infrastructures » IP-based communication » Straightforward administration thanks to SINA management and central administration of clients

So when are you going to order your SINA VW?

Sources of supply

Please contact our SINA sales team: **Phone +49 - 201- 54 54 - 0** or **sina.sales@secunet.com**. A SINA Business version is available for customers from the private sector.



Security and convenience come together.

The ideal workstation is one that is convenient, secure and efficient to use – at all times, in all locations and with all applications. Yet so often, the reality is completely different. Prescriptive rules on how to use the internet and how to handle data and documents may well be essential for security purposes, but there is a price to pay in terms of convenience and productivity. But not any more – because thanks to the SINA Virtual Workstation (VW), such constraints are now a thing of the past.

SINA VW: The high-performance solution from the well-established SINA product range.

SINA VW is a component of the proven SINA (**Secure Inter-Network Architecture**) product range which has been developed on behalf of and in close collaboration with the German Federal Office for Information Security (BSI). SINA is the only IP-based cryptographic system that has been approved by the BSI for use up to the highest national security level TOP SECRET (STRENG GEHEIM), facilitating the secure processing,

storage and transmission of classified documents and sensitive data via the internet. Over the past ten years, SINA has led the way in setting new standards in the market for top-security products.

As one of the official IT security partners of the Federal Republic of Germany, secunet understands the customer requirements of national authorities and develops its SINA range of products specifically with these in mind.

All security requirements in a single product. BSI approved.



The ideal combination of security, efficiency and convenience – SINA VW has been designed to meet the very special security requirements of national authorities, the German Armed Forces, federal ministries and companies handling classified information. This product is a universal solution for the communication

of classified information and measures up to the most exacting standards at all official levels of secrecy up to and including SECRET (GEHEIM).

Powerful performance with the seal of quality:

The SINA Virtual Workstation has numerous certificates of approval from the BSI.

Convenient and flexible working. Any time, anywhere.

As a SINA VW user, you can operate securely and conveniently at all times in your regular work environment – regardless of application or OS (e.g. Windows® or Linux), online as well as offline. And you can always feel totally at your ease, knowing that your data is

optimally protected against unauthorised access – any time, any place. Thanks to SINA VW, you can use the internet without constraint and have the assurance of all-round protection from viruses and trojans.

SINA VW - Maximum security on the move. Easy and quick to use, reassuringly secure.



Your SINA VW communicates with a central network via the well-proven SINA VPN technology (IPsec). SINA networks can be accessed via wired (Ethernet) or wireless media.

* A sample configuration is illustrated here. There are various hardware options to choose from.

SINA VW: All-in-one security.

The SINA Virtual Workstation is easy to operate and absolutely flexible to use. Its all-inclusive security concept offers you significantly more than a conventional cryptographic device: Smartcard, VPN, hard drive encryption, interface control, IPsec-protected communication and a secure operating system. There is no need for time-consuming and costly administration of multiple individual components supplied by different manufacturers.

Impressive benefits: SINA users can work on parallel sets of data of varying classifications without any constraints and in familiar formats, e.g. with classic Windows® applications. You can operate on the move in complete security and without the use of external devices, cables or connectors, which of course also means reduced power consumption.

SINA VW provides you with all-round convenience and comfort of use.

Technical details.

The security concept behind SINA VW comprises smartcard-based cryptography and a secure system platform. Virtualisation technology completely isolates potentially unsecure guest systems from the SINA system platform, thereby facilitating convenient working in the user's familiar environment. He is thus able to use his standard operating systems and applications without constraint in the knowledge that they are protected from trojans and viruses.

SINA VW: All applications and all security zones on a single workstation.

Parallel operation of multiple guest systems facilitates working in different security zones (including classified network and internet/wifi hotspots). All guest operating systems and data are securely stored in cryptographic file systems (CFS). Communication with central server or terminal server areas is via a secure VPN tunnel (IPsec).

The smartcard holds the initial configuration data and security associations. It also serves as a secure memory for cryptographic keys and certificates as well as performing signature functions on its own.

In the SINA Linux operating system, access to external interfaces of the device (USB, CD-ROM) can be managed from unsecured guest operating systems. Access rights are allocated according to user status and classification level.

You can find detailed technical data in the SINA Virtual Workstation factsheet.

