genua Ein Unternehmen der Bundesdruckerei

Security Laptop vs-top

Facts & Features

Definition:
The compact vs-top security laptop meets two major requirements of mobile users: secure access to classified data in protected networks via the Internet, and an easy to operate working environment to browse the Internet, work with e-mails etc. This is achieved by a separation system, which creates two working environments on the laptop. One is equipped with conventional Windows applications and can be used for Internet browsing and accessing e-mails. The second working environment is exclusively used to process classified data. Both working environments are strictly separated, so that the sensitive data is well protected. But both components can be used in parallel. Access to sensitive networks via Internet is enabled by an integrated and underlying VPN. Furthermore the complete hard drive of the vs-top is encrypted and the key secured on a smartcard. The vs-top is approved for the classification levels German VS-NfD, NATO and EU RESTRICTED.

Typical Use:
Connecting mobile users to classified networks of companies and public authorities

Throughput Volume:
- Up to 1 Gbit/s

Customer Service:
- Service directly from the manufacturer
- Security system management
- Hotline service / update service

Reasons to Choose vs-top:
- Secure connections for mobile users
- Two strictly separated working environments on one laptop
- The compact laptop with “standard” applications is easy to use
- High security VPN connections via cell network, WLAN and Ethernet
- VPN technology made in Germany
- Reliable hard drive encryption
- Approval for classification levels German VS-NfD, NATO and EU RESTRICTED
- Comfortable administration with management station genucenter

Reasons to Choose genua:
- Leading German specialist for IT security
- Founded in 1992 – implementation of numerous major projects for industrial, government, and military organizations

SecurITy made in Germany

Firewall

Stateful packet filter	State of the art firewall for manageable rulesets
Network Address Translation (NAT)	Masquerade networks behind one address
Network bridging	Bridging compartment into the local area network without losing packet filter capability
Filter criteria	Filtering decision can be based on IP address, network protocol, port, interface, flags and state
Filter action	Choice of packet handling: pass, block, drop
Spoofing protection	Block forged packets
Packet normalisation	Reassemble fragmented packets, generate random IP identification, enforce IP header settings such as TTL and MSS
Management	Centrally managed by the administrator with management station genucenter

Virtual Private Network

General	
IPsec VPN	Operated and enforced by separation layer
Authentication	
RSA	De facto public-key standard
Elliptic curves	Fast key exchange
IKEv1 and IKEv2 authentication	Authentication with keys or certificates using a PKI
Smartcard	Key handling via smartcard

Networking

Uplinks	
Ethernet	10/100/1000 Mbit/s Base-T
WLAN	802.11a/b/g
LTE/UMTS/GPRS	Integrated modem
Friendly Net Detection	Different access profiles depending on location of laptop

Separation

Compartments	Two separate compartments
Network	Separate network connections for each compartment
Graphics performance	Native 3D graphics acceleration in primary compartment
Sound	Sound is available in one compartment
Smartcard	Available for VPN connections and user compartments

Central Management with genucenter

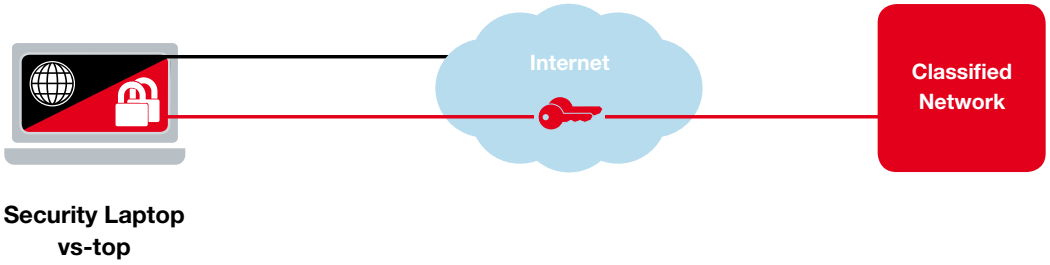
General	
Configuration	Easy management of several (thousand) systems
Monitoring	See the health of your systems at a glance
Logging	Easily collect and analyse logs
Software (patches/update)	Distribute the latest software revision
Rollout management	Freely define when to update/upgrade which system
Web GUI	Powerful web-based user interface secured with TLS/SSL (HTTPS)
Online help	Instant help in the user interface
Patch Management	
GUI	Get and install patches via GUI
Automatic updates	Automate the process of fetching updates for the appliance
Logging	
Local cache	For short term logs
Central	Use genucenter to concentrate the logs on one system

genua Ein Unternehmen der Bundesdruckerei

Application Examples

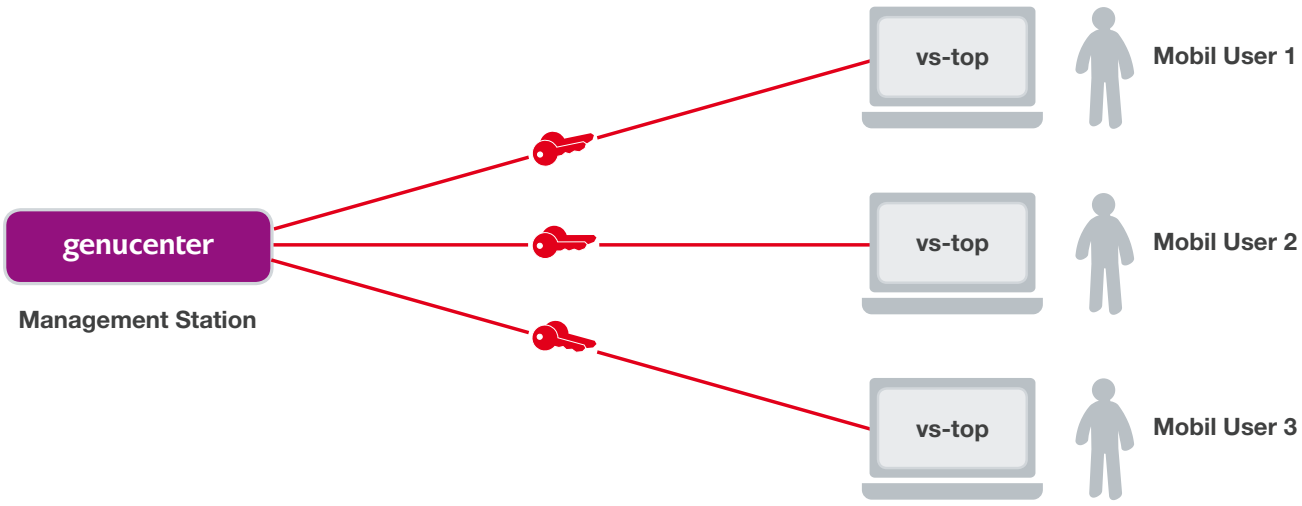
Connecting Mobile Users to Classified Networks

Mobile users can access classified data in the protected LAN, edit and store the data on the laptop – and at the same time can browse the Internet, work with e-mails etc. All this is performed comfortably and securely, as the compact vs-top provides strictly separated working environments. The connections to the LAN via Internet and the hard drive of the vs-top are strongly encrypted so that the classified data cannot be stolen or manipulatetd by attackers.



Central Administration from a Management Station

The vs-top security laptop is centrally administered using the management station genucenter. This means that you can keep an eye on a number of users' laptops from a central location and modify the configuration or install updates at any time. Thus you can ensure consequent implementation of your security policy and achieve a high level of mobile security in practice.



Further information:
www.genua.eu/vs-top

genua GmbH, Domagkstrasse 7, 85551 Kirchheim, Germany
tel +49 89 991950-0, info@genua.eu

SL-FF-0119-8-E