

ECOS SecureBootStick®

ecos

Highly Secure Remote Access for VS-NfD-compliant working environments

For home office, mobile use or external service providers

- ◆ BSI-approved for VS-NfD, EU/NATO RESTRICTED
- ◆ For company, third-party, and private PCs
- ◆ Easy, flexible, highly secure

Cybersecurity 
Made in Germany



Remote Work

ECOS SecureBootStick®

ECOS SecureBootStick®

Remote access – easy, flexible, highly secure

The ECOS SecureBootStick® is the ideal solution for organizations with highest security requirements.

Whether you are a government agency, an operator of a critical infrastructure, security-related company, research institution, or an external service provider, the Secure Boot Stick (SBS) offers high-security remote access wherever sensitive data, specialized procedures, or classified information (VS-NfD, EU/NATO RESTRICTED) are processed—even from private or untrusted PCs.

Security where standard solutions fall short

Customary remote access methods, such as VPN clients or web portals, are no longer sufficient because the greatest risks arise from compromised devices, a lack of separation between personal and professional use of systems, and a lack of certification.

The Secure Boot Stick provides a complete system encapsulation: It starts its own hardened,

host-independent operating system. The internal hard disk remains deactivated, effectively ruling out any potential malware.

Compatible with all prevalent infrastructures

The Secure Boot Stick enables secure access to:

- Microsoft RDSH / Terminal servers
- Citrix Virtual Apps & Desktops
- VMware Horizon
- Remote desktop access
- Web applications (e.g. internal specialist procedures, intranet)
- VPN access via IPsec/OpenVPN/HTTPS, optional Cisco AnyConnect, Juniper, F5

All required clients (e.g. RDP, Citrix Workspace, VMware Horizon, Firefox, Chromium etc.) are directly integrated, no installation required on the target device.



Tested and proven secure – even in private environments

The ECOS SecureBootStick SX and ZX product variants are approved by the German Federal Office for Information Security (BSI) for the processing of information up to classification level **VS-NfD** and **EU/NATO RESTRICTED** – even on private and third-party PCs. The Secure Boot Stick simplifies the implementation of both secure and legally compliant mobile workplaces, home offices, and external deployment scenarios.

Cybersecurity Made in Germany

With our development, consulting, and support services based in Germany, we provide our customers with tailor-made, solution-oriented responses.

Ideal for companies and government agencies with high security requirements

Scalable and efficient – perfect for large organizations

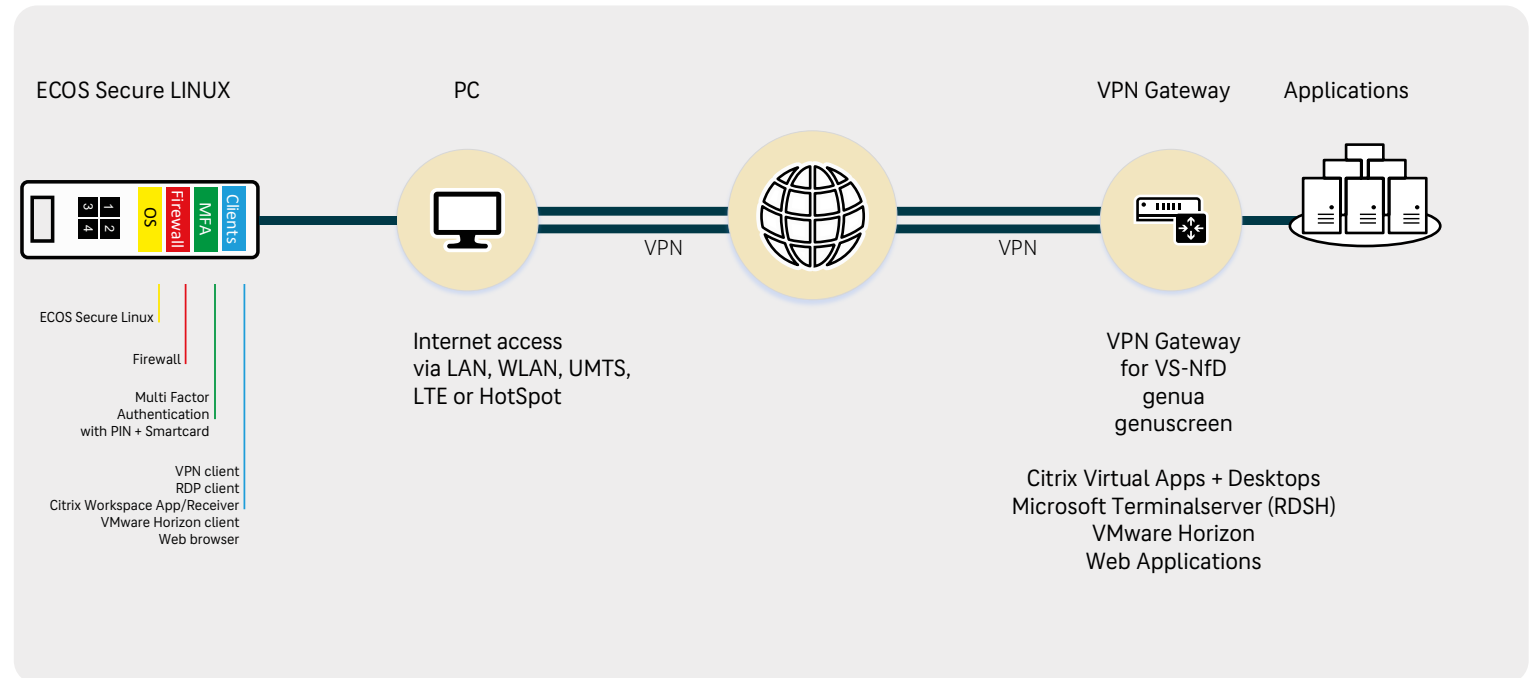
ECOS Easy Enrollment allows to roll out large numbers of users within a very short time. This allows administrators to automatically provision personalized SBS, including central management, remote maintenance, and locking in case of loss. The ZX variant integrates seamlessly into existing PKI or service card infrastructures (e.g. CardOS 5.X, JCOP).

Easy to handle, reliable results

The Secure Boot Stick is intuitive to use: Plug in, enter PIN, select connection. The WLAN configuration works just like on a smartphone and is stored in encrypted form. The working environment remains the same, while the level of security increases significantly. **A relief for anyone in charge of information security.**

From federal agencies and critical infrastructure to high-tech research and industries subject to secrecy regulations, the ECOS SecureBootStick® provides organizations of all sizes with a reliable solution for securely working with confidential data from any location.

Made in Germany



Workflow ECOS SecureBootStick

Simple, flexible, highly secure

Flexible: With any standard company laptop or private PC

Simple administration: For seamless integration

Highly secure: Cascading of numerous security mechanisms

Guaranteed: BSI-approved for VS-NfD, EU/NATO RESTRICTED



ECOS SecureBootStick®

Key security features at a glance

Boots isolated, hardened ECOS Secure Linux instead of the installed operating system

Digital signatures & chain-of-trust checks for bootloaders, firmware & applications

The hard drive stays disabled to ensure complete separation of private data.

An integrated firewall protects against attacks in the local network

Strong multi-factor authentication, depending on the variant:

- Software certificate tied to hardware ID
- Hardware key on the SBS
- Smartcard with direct PIN entry on SBS (FX/SX/ZX)

Secure VPN connection

e.g. via IPsec/OpenVPN or BSI-compliant gateways such as genua genuscreen

Different network security zones (e.g. VS-NfD and non VS-NfD)

Native WebEx client

Your partner for highly secure remote access

Made in Germany

Rely on a solution designed for the handling of classified and confidential information. Our experience and expertise enable secure, location-independent working that is tested, certified, and proven in practice.

We blend the highest security standards seamlessly into your IT environment, making it easy to use.

Let the ECOS SecureBootStick® make your digital work environment secure.

ECOS Technology GmbH
Sant' Ambrogio-Ring 13 a-b
55276 Oppenheim Germany

+49 6133 939 200
info@ecos.de

www.ecos.de

For detailed information on the ECOS SecureBootStick®, a brochure is available for download.

