

ECOS SecureBootStick FX

Highly secure remote access with smartcard-based protection



- ♦ Simple
- ♦ Flexible
- ♦ Highly secure

Benefits

- ♦ Protected and encapsulated working environment
- ♦ 100% separation of professional and private use
- ♦ All software on the stick
- ♦ Strong multi-factor authentication via smartcard
- ♦ Integrated firewall
- ♦ Central management and remote updating
- ♦ Fast rollout even with large quantities
- ♦ Data safe for storing documents
- ♦ Smartcard Forwarding
- ♦ Low investment costs

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ECOS SecureBootStick FX

Protection by Smartcard

With the Secure Boot Stick FX, companies are able to authorize private and third-party PCs in compliance with the highest security requirements. This significantly reduces administration effort and costs compared to previous solutions and guarantees highly secure access to data and applications with smartcard-based protection.

IT Security Solutions

Made in Germany

Performance characteristics

Applications

- ◆ RDP client, Citrix Workspace App (Citrix Receiver), VMware Horizon via RDP; PCoIP; BLAST, Firefox, Chromium, VNC viewer, VPN client for IPsec
- ◆ Citrix HDX RealTime Media Engine to optimize audio and video transmission for Skype for Business and Microsoft Teams
- ◆ Microsoft RemoteFX for optimizing audio quality for RDP

Supported destination systems

- ◆ Microsoft RDSH, WTS 2000 and later, RDS, RD sharing, Citrix Virtual Apps and Desktops, VMware Horizon or Web Server
- ◆ Client for genuine remote maintenance

VPN

- ◆ Connection to common gateway via IPsec, OpenVPN or https
- ◆ Other VPN clients: Cisco AnyConnect, Juniper, F5 (additional licenses may be required)

Administration

- ◆ Access profiles for different applications/server on user, group or role level
- ◆ Use of local resources after release (external USB storage devices, local printers)
- ◆ Rights assignment for ext. devices linked to manufacturer ID or serial number of the device
- ◆ Remote update of all applications and firmware

Compatibility

- ◆ Integrated smartcard reader for cards in ID-000 format
- ◆ Drivers for all common 64-bit PCs, Macs and tablets with x86 architecture
- ◆ UEFI Secure Boot support
- ◆ Keyboard drivers for more than 90 languages and countries
- ◆ Multi-monitor support
- ◆ Connection by LAN, WLAN, UMTS, LTE incl. browser for login to hotspot
- ◆ Dictaphones from Grundig and Philips (incl. foot pedals)
- ◆ Signing pads from signotec
- ◆ Software in German and English (pre-configurable)

Data Safe

- ◆ 2 GB, usable for storing documents (not VS-NfD), (larger storage capacities on request)
- ◆ Hardware encryption with AES256, secured by smartcard plus PIN
- ◆ Installation-free use as USB drive under Windows, Linux and macOS

Additional Features

- ◆ Signing, encryption or Windows smartcard logon via PC/SC forwarding
- ◆ Forwarding of external USB and LAN devices, for example to connect an IP phone
- ◆ Automatic reconnect in case of disconnection or connection change

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Performance characteristics

Multi-factor authentication

- ◆ Software certificate, tied to the stick's hardware ID, and smartcard
- ◆ Pinpad for PIN entry on stick

Security

- ◆ Read-only partitions | signed partitions for bootloader and kernel
- ◆ Encryption of all security-relevant partitions via hardware
- ◆ Signed read-only partition for firmware and applications
- ◆ Writeable partition for storage of user parameters
- ◆ Hardened ECOS Secure Linux operating system
- ◆ Digitally signed bootloader, firmware and applications with chain of trust verification
- ◆ Securing all processes via smartcard, e.g. Easy Enrollment, gateway logon, SBS update
- ◆ Integrated firewall as protection against attacks within the same network and blocking of ping request
- ◆ Encryption of RAM content except for the executable program code
- ◆ VM start detection prevents use in virtual environment
- ◆ Fingerprinting of guest computer incl. peripherals
- ◆ Instant logout on stick disconnection
- ◆ Secured updating process for firmware and applications with verification of integrity and correct update server

Connection, dimensions and scope of delivery

- USB-A | C - 28 x 85 x 13 mm - 68g
- ECOS SecureBootStick FX and carrying strap - 2 connection cables for USB A and C