

ECOS SecureOS

From legacy PCs to modern thin clients



- ◆ Increased security
- ◆ Extended PC lifecycle
- ◆ Ecofriendly

Benefits

- ◆ Compatible with all common PCs, including older devices
- ◆ Fast boot process
- ◆ Central management
- ◆ Smart Reports
- ◆ Simple integration into the existing IT infrastructure
- ◆ Resistant to malware and manipulation
- ◆ Certificate-based authentication

safe and smart

ecos

ECOS SecureOS

Convert hardware instead of buying new

With ECOS SecureOS, the existing operating system is replaced by a lean, particularly secure and high-performance ECOS Secure Linux operating system.

All applications required for the access to a terminal server or a virtual desktop infrastructure are already included.

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

Optional: VPN

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

Implementation / Administration

- ♦ Installation via automated PXE boot process
- ♦ Integrated DHCP and TFTP server for PXE installation

Administration

- ♦ Profiles for accessing different applications/servers at user, group or role level
- ♦ Use of local resources after release (external USB storage devices, local printers)
- ♦ Rights assignment for external devices tied to the manufacturer ID or the serial number of the device
- ♦ Remote update of all applications and firmware

Compatibility

- ♦ Driver for all common 64-bit PCs 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)

Additional Features

- ♦ Forwarding of external USB and LAN devices, for example to connect an IP phone
- ♦ Automatic reconnect if the connection is interrupted or changed

Multi-factor authentication

- ♦ Support ext. Smartcard/USB token

safe and smart



ECOS SecureOS

Performance characteristics

Security

- ♦ Signed partitions for boot loader and kernel
- ♦ Encryption of all security-relevant partitions via software
- ♦ 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
- ♦ Integrated firewall as protection against attacks in the same network and blocking of ping requests
- ♦ Encryption of RAM content except for the executable program code
- ♦ VM start detection prevents use in virtual environment
- ♦ Fingerprinting of guest computer incl. peripherals
- ♦ Secured updating process for firmware and applications with verification of integrity and correct update server