



SafenSoft



SoftControl TPSecure

Device integrity maintenance for ATM, POS, kiosks
and other unattended systems

About the product

SoftControl TPSecure protects ATMs, POS systems, kiosks, and other electronic self-service devices (ATMs and kiosks) against unauthorized data access and software changes by service personnel or hackers.

The TPSecure Approach

The SoftControl approach to security has its roots in digital rights management, where the goal is to preserve the integrity of the system rather than try to identify every malicious action attempted on that system. The technology behind this process, VIPO (Valid Inside Permitted Operations), is a unique and highly-effective architecture that efficiently monitors and processes all system activity for unexpected and/or unauthorized activities.

Soft Control TPSecure delivers three levels of security:

- Only authorized applications are permitted to be launched.
- A secure environment in which potentially-vulnerable applications can be executed.
- Control over the activities any application is permitted to perform, by whom, and with the use of what devices.

SoftControl TPSecure preserves device integrity with minimal impact on maintenance tasks and maximum flexibility. The system can be locked down completely, or applications can be executed in a secure environment, or individual or group policies can be applied that enable applications to be used for predetermined purposes and/or in predetermined circumstances only.

SoftControl TPSecure is the ideal solution to protect unattended and other self-service devices with either high or low bandwidth, where regular patching and updates are not possible.

SoftControl TPSecure prevents vulnerabilities from being exploited by using application consistency checks and launching potentially vulnerable applications in a secure environment with limited privileges. This also means that patching no longer needs to be a real-time activity; all new OS or application patches can be tested before being applied, or avoided altogether, without introducing security risks.

Integration with ATM automated processing systems and other

SoftControl TPSecure can be customized to seamlessly provide protection for ATM automatic processing applications and other specialized, high-risk applications:

- Application consistency control. Control over program code changes ensures that applications cannot be launched if the executable code has been modified.
- Application executable code protection. Executable modules are protected against modification by other applications.
- Application data protection. Read/write access to application data files and registry keys related to all other applications can be disabled.



Key Features and Benefits

Protection against unauthorized data access and software changes

Dynamic Integrity Control	Protects all executable software on the system by detecting any unauthorized activation attempt and preventing the process from launching before damage can occur.
Dynamic Sandbox	Specially-designated user account for potentially vulnerable software provides system-level privilege controls to block dangerous software activity.
Dynamic Resource Control	Controls how different applications can access files and folders, registry keys, external devices, and network resources. User-driven rules can be created to control application activity.

Unattended device protection

Flexible Installation	Can be deployed using push, standard, or silent installation mode; configuration settings can also be cloned from a standard device.
Conditional remote control	Client remote control can be disabled to permit devices with low bandwidth connections to work without central management.
Access to external devices	Granular control over access to and use of external USB storage, CDs/DVDs, COM and LPT ports, autorun control and the ability to set exclusions by device type, name, vendor and ID. Protected CDs/DVDs are recognized and accepted while all others are blocked.
Background monitoring and logging of all system events	Shadow mode provides constant monitoring of devices that cannot be detected or removed by service personnel. All data copy activities, including copying to removable media such as skimmers, is monitored in shadow mode and alerts can be sent to the management console.
Self defense system	TPSecure processes cannot be stopped or killed, even with high-level administrative rights. Additionally, the client regularly sends heartbeat status reports to the management console.

Achieving PCI DSS compliance

Meet PCI DSS requirements	TPSecure helps organizations meet PCI DSS compliance and reduce the risk of financial fraud.
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Customizable delivery

Multiple delivery options	TPSecure can be delivered in various ways, providing flexible integration and deployment capabilities. These include: standard components and settings, custom components and settings based on customer requirements, binary libraries (SDK), or even source code. *
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** Subject to individual contract negotiations*

Current quantity of ATMs, payment terminals and kiosks that use SoftControl TPssecure, is more than **180 000** protected self-service devices. SoftControl has rompleted more than **140** projects in banks and financial organizations in Russia and around the world. For more information about our project experience, please contact Safe`n`Sec Corporation sales department.



Benefit of using



Comprehensive protection against internal and external threats



No need for updates or manual reconfiguration after patching



Helps organizations meet PCI DSS compliance



Easy integration into existing IT infrastructure



Individualized installations enabling incorporation of customer-specific functionality



Flexible delivery includes binary libraries (SDK) and source code

Supported platforms

Devices

SoftControl TPSecure supports any device running Microsoft Windows Embedded.

Workstations

Operation systems: Windows XP Embedded, Windows XP, Windows Embedded POSReady 2009, Windows Embedded Standard 7, Windows Embedded POSReady 7, Windows 7, Windows Embedded 8.1 Industry Pro, Windows Embedded 8.0 Standard, Windows 8, Windows 8.1, Windows 10 Enterprise.

Disc space: 150mb.

Centralized management

SoftControl TPSecure has its own control system, including a centralised management console.

Also you can use Microsoft SCCM, IBM Tivoli, HP OpenView or other system management software can be used to manage TPSecure configuration centrally.

About Safe`n`Sec Corporation

Safe`n`Sec Corporation was founded in 2008 to develop best-of-breed solutions in information security for financial organizations and banks. The company is a member of the PCI Security Standards Council and serves on the Security Best Practices committee of the ATMIA.

The clients of SoftControl products are located in Europe, Middle East, Southeast Asia and Africa. There are more than 90 deployments of SoftControl TPSecure all over the world.

Safe`n`Sec Corporation also offers a SoftControl product to protect computers of end users against malware and hacker attacks.

Safe`n`Sec Corporation

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