

SafeGuard[®] PDA Enterprise Edition

Secure authentication and data encryption on PDAs and Smartphones



Benefits

Enhanced security

- Perfect protection of PDAs against unauthorized access
- Transparent protection of data in PDA memory and removable media against unauthorized access
- Simple, encrypted data exchange with PC platform via removable memory cards or E-Mail
- Efficient company-wide enforcement of uniform security policy
- Optional integration of entire security solution in device's firmware to give permanent protection against tampering *
- Optional protection against eavesdropping (on request) by encrypting voice input
- Optional authentication via "knowledge and possession" using MMC / Micro-SD smartcard

Easy to deploy

- Smooth integration in existing IT environment
- Scalable roll-out mechanisms for software and configuration
- Support for existing administration and distribution mechanisms e.g. Microsoft Active Directory or PDA Software management tools from third party vendors
- Flexible, centrally enforceable configuration rights for end-users

Easy to use

- Intuitive user interface, adaptable to company needs
- Flexible logon methods, adaptable to user needs
- Reduced help-desk workload through simple reset of forgotten passwords

* details of valid device types and integration on request

The ultimate security solution for PDAs

Thanks to the PDA, true business mobility has finally become a reality. For many areas, a whole new world of opportunities is opening up – and a whole new world of risks. The very fact that PDAs are so portable means they are easily lost or stolen, along with the confidential data saved on them. In addition, Plug & Play functionality and wireless connection capabilities make them a serious threat to the security of company networks. Current PDAs are not equipped to combat these risks so comprehensive protective measures are imperative.

SafeGuard PDA provides the protection that is needed and keeps the mobile workforce secure. The strong encryption keeps data confidential – even in transit over the Internet. Innovative authentication mechanisms, such as biometric signature recognition, smartcard logon or symbol PIN, offer optimal user convenience and peace of mind for business managers and IT staff. Transparent background operation means users do not need training or elaborate new work routines. And easy central implementation and enforcement of the company security policy keep the environment consistently protected. User convenience is critical in any authentication solution.

SafeGuard PDA meets this requirement and is the optimal choice for companies that must enforce a PDA security policy via central administration along with efficient recovery functions.

Together with our **SafeGuard Easy**, **SafeGuard PrivateCrypto** and **SafeGuard PrivateDisk** products, **SafeGuard PDA** builds a perfect security solution for the complete IT infrastructure, including servers, PCs, and mobile devices.

About Utimaco – The Data Security Company.

Utimaco is the leading provider for data security solutions. The Data Security Company enables midsized to large organizations to safeguard their data assets against attacks and to comply with privacy laws by protecting their confidentiality and integrity. Utimaco's complete range of solutions provides full 360° protection unlike free, end-point or built into encryption solutions which only cover specific security needs. Its advanced SafeGuard Solutions help to manage and secure data in what ever conditions: during storage (data at rest), during transmission (data in motion) and during processing (data in use). Utimaco offers its customers comprehensive on site support via a worldwide network of partners and subsidiaries in Europe, the USA and Asia. For more information, visit www.utimaco.com

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Key Features/Functionality

Security

- Secure user authentication
 - Alternatively via password, symbol or numeric PIN, biometric signature* or fingerprint (for IPAQ 27xx)
 - x.509 certificate-logon via certgate[™] smartcard MMC *
 - Organization specific password rules
 - Increasing delay time with increasing number of false tries
 - Alarm sound or complete memory erase in case a definable threshold of false tries is exceeded*
- Secure Screen Saver
- Device lockdown functions securing the configuration
 - Optional central blocking of infrared port, Bluetooth, WLAN, autorun, memory card or phone functionality*
 - Configurable prevention of ActiveSync with non-company devices*

Comprehensive encryption capabilities

- PIM databases (calendar, contacts, tasks, E-mails/SMS) – fully transparent at run-time on Windows Mobile
- Files in local RAM – fully transparent*
- All current storage card formats
- GSM voice encryption without additional hardware components via GSMK CryptoPhone[™]
- Encryption compatible to SafeGuard PrivateDisk and SafeGuard PrivateCrypto, exchange of encrypted data between PDA and PC or Symbian via E-Mail or memory card*)

Support for Windows Mobile PDA Phones

- Configurable option whether active calls require authentication
- Centrally definable “emergency numbers”
- Optional GSM SIM lock to prevent unauthorized change of SIM card

System administration

- Central configuration via Microsoft Management Console (MMC) or reference device (Palm OS)
- Configurable user appearance, security settings, encryption and password rules
- Administration rights for end users, collectively or individually configurable by system administrator
- Central distribution of security settings via:
 - Active Sync with Windows Active Directory Group Policies*
 - Dedicated third party software management tools (e.g. Extended Systems Onebridge, Sybase Pylon)
- Protection against unauthorized deinstallation
- Optional automated re-activation after a hard reset including the recently valid settings and passwords for continuous protection of the PDA rendering it useless to a thief (on Windows Mobile via ROM option and Palm OS PDAs with persistent Flash Filestore and autorun capability)

Ease of use

- Automated encryption without user intervention
- Efficient algorithms – negligible performance impact
- Secure and powerful challenge/response procedure to reset forgotten passwords without the need for on-line connection
- Single-Sign-On to most common VPN systems (e.g. IBM WECM, Columbitech WVPN, Netseal MPN, NCP VPN)*)
- API for integrating security functions in custom written applications*)

*) Function available for Windows Mobile only.

System Requirements

Operating System

- Windows Mobile 5.0 incl. Phone Edition, (Smartphone and Windows Mobile 6 in preparation)
- Symbian Series 80 (Nokia Communicator 9300/9500)
- Symbian UIQ 2.1 (Sony-Ericsson P900/P910i)
- Symbian 9 Series 60/3 for SafeGuard PrivateCrypto 2.10
- Palm OS 3.x / 4.x / 5.x
- Minimum free memory: Windows Mobile 3 MB, Symbian 400KB, Palm OS 400KB, PC 10 MB (if administration via ActiveSync)

Certifications

- Designed for Windows Mobile
- Symbian Signed
- FIPS 140-2 for SafeGuard PDA (cryptographic library in evaluation)



Complementary SafeGuard[®] products

- SafeGuard PrivateDisk for exchanging virtual encrypted volumes on storage cards with PC platform*)
- SafeGuard PrivateCrypto for exchanging encrypted E-mail attachments or files with PC or Symbian S60/3
- SafeGuard Easy for protecting data stored on PC clients via harddisk encryption and pre-boot authentication
- SafeGuard Web Helpdesk, Web Selfhelp or SafeGuard CryptoServer Helpdesk – alternatives to recover from forgotten passwords

Interoperability

- SafeGuard PDA is compatible with all leading software distribution tools for PDAs
- Voice encryption and integration of SafeGuard PDA in the firmware using GSMK CryptoPhone[™] Software
- Certgate Smartcard MMC / MicroSD for certificate based logon
- VOICE.TRUST server for automated biometric challenge/response helpdesk

Standards/Protocols

- AES (128 and 256 bit), PKCS#5, X.509 certificates*)

Language Versions

- English, German, French, Japanese, Spanish (for Palm OS)

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