



Security BOX Mobile is the trusted solution for protecting sensitive information on communicating PDA type terminals and Smartphones. It is intended for companies that want to control administration of information security in a broad context comprising fixed, nomad and mobile terminals.

## Main functions



### Secure vault

Your PDA/Smartphone becomes a vault for your mobile data. Its capacity can be increased with removable memory cards.



Sensitive company data, personal data (PIM), e-mails with attachments and removable cards are encrypted. Data thus remain confidential in the event of loss or theft of a terminal.

Security BOX Mobile inherits the cryptographic mechanisms of Security BOX Crypto, awarded Common Criteria certification at assurance level CC EAL4+.

#### BENEFITS //////////////////////////////////

- Increased terminal security
- Confidentiality of received, stored and synchronised data
- Security of personal data

### Maximum ergonomics

Users are authenticated by the SIM card of the PDA/SmartPhone. The card contributes to opening the data vault. Authenticated users can access all the encrypted information in the vault. Data are encrypted/decrypted "on site" and "over the air" without requiring user action.

#### BENEFITS //////////////////////////////////

- Unique password (PIN)
- 100 % transparent for the user
- Reduced user action



### Connection to the Information System

User access to the company's information system is controlled by an X509 V3 certificate. Exchange security is ensured by creating a secure SSL tunnel.

The user can download or synchronise his/her personal e-mails and data directly into the mobile vault used for storage. "Push mail" functionalities are fully secured by Security BOX Mobile solution.

A connection attempt with a revoked certificate automatically triggers a "hard reset" of the terminal.

Software updates, security policy and certificate renewal are all secured via local connection (cradle) or "over the air" via a mobile device management server.

#### BENEFITS //////////////////////////////////

- Secure link with the information system
- Security of data received "over the air" in Push mode
- Centralised administration of security policies

# Technical description



## Local vault

Encryption algorithms	AES 256
Transparent encryption	PIM (Contacts, Notes, Tasks, Agenda) Local database of messages and attached files User directories (My documents, other folders, etc.) Removable memory cards
Authentication method	Uses the telephone SIM card's PIN
Single password	Access to telephone and Windows Access to the data vault and to the remote site

## Access to the information system

Link to the company's IS	SSL V3 connection Authentication by X509 certificate Secured Internet connections using enterprise proxy Mobile terminal reset on presentation of a revoked certificate.
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Type of applications supported	Pushmail mode and POP security Secure access to servers: <ul style="list-style-type: none"><li>• Lotus databases (e.g.: iAnywhere, OneBridge)</li><li>• Exchange messaging (Microsoft)</li><li>• File or application servers</li><li>• Device Management</li><li>• Any business application</li></ul>
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## Mobile terminal administration

Local administration	Installation of Security BOX Mobile Manager on a Windows workstation Definition of the security policy Loading of the software and the security policy on the Mobile terminal
Centralised administration	Compatible with mobile terminal management tools: <ul style="list-style-type: none"><li>• File deposit on the Device Management server</li><li>• Remote updating via secure tunnel: software, security policy, certificate before revocation.</li></ul>

## Supported devices

The supported devices are available on Arkoon web site:

<http://www.arkoon.com/mobile>

**See all our products and their detailed datasheets on: [www.arkoon.com](http://www.arkoon.com)**

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