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EasyFinger

A SpringCard desktop contact & contactless reader/writer with biometrics

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Agenda

- EasyFinger assets
- Typical applications
- Product scope
- Product installation
- Demo

EasyFinger

EasyFinger assets

EasyFinger is a
contact & contactless reader/writer with fingerprint scanner

EasyFinger also integrates 2 internal µSIM/SAM slots

Attractive Design !

SAGEM MorphoSmart CBM fingerprint reader

+

ISO14443 A/B Contactless reader/writer

+

ISO 7816 T=0 & T=1 contact reader/writer

+

2 µSIM/SAM slots

=

Complete security suite for authentication or card issuance

EasyFinger

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EasyFinger typical applications

High versatility

• **Strong biometric authentication**

• **e-Documents (passport, driving license…)**

• **Electronic vote**

• **e-Commerce and e-Banking**

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Product scope

EasyFinger :

- Is a **contact & contactless smartcard reader/writer with fingerprint scanner**
- Supports **USB 2.0 full speed** (12Mbps),
- Contactless interface : **up to 848kbps**
- Contact interface : **up to 115200bps**
- Handles **any ISO 14443 (type A, B and B')** compliant smartcards

Supported contactless smartcards

- **NXP** (*Philips*) **: Mifare Classic & UltraLight, Desfire, SmartMX, ProX**
- **Infineon SLE66 family**
- **ST MicroElectronics : SR, SRI, SRIX families**
- **ASK CTS256B and CTS512B,**
- **HID iClass and Inside PicoTag** *(serial number only)***,**
- **MultOS or JavaCard T=CL cards,**
- **Calypso transportation cards (CD 97, CD21, GTML...),**
- **NFC mobile phones or other NFC-capable objects** (*tag emulation mode*)

PC/SC device

PC/SC mode

EasyFinger PC/SC is detected as a USB smartcard reader and is compliant with the standardized smartcard reader API called PC/SC that allows developers to work with contactless cards (including Mifare and other wired-logic chips) as easily as if they were classical T=0 or T=1 contact cards.

Interoperability of applications and readers.

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EasyFinger installation on Windows

Procedure

1/ Download and install <u>EasyFinger PC/SC driver</u>

2/ Download and install <u>Sagem MorphoSmart driver</u>

3/ Power supply and plug the EasyFinger to the PC : the device is detected as a new hardware. Select the driver EasyFinger PC/SC in the installation wizard.

4/ 2 other devices will be detected and shall be installed as "Smartcard slots" (these 2 represent the contact and the contactless slots)

All the softwares are downloadable at :
http://www.springcard.com/download/easyfinger.html

EasyFinger
Demo time !

SDK download : http://www.springcard.com/download/find.php?file=bio-sdk&product=easyfinger

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