





SoMo650 and Springcard CF reader/writer





Agenda

- Typical applications
- SoMo650 + SpringCard CompactFlash readers overview
- Setup procedure and QuickStart softwares (Demo)
- Case studies





Typical applications



Contactless(RFID)

SpringProx-CF

E-ticketing **Loyalty Programs**



Transportation



SoMo650



SpringCard CF readers/writers



HANDHELD TERMINAL FOR ANY SMARTCARD SYSTEM

Membership card



Worker ID card Student card



Customer \ recognition \



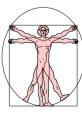
Authentication and cryptographic system/electronic security

Contact

SpringCard-CF



Electronic Medical Record



Healthcare:

Electronic Purse Virtual wallet



www.springcard.com





SoMo650 + SpringCard CF readers?

OS supported by SpringCard CF readers:

- PocketPC 2002 and 2003
- Windows Mobile 2003, 5.0 and 6.0

Contact

standard serial communication port

Select your library!

- springcard.dll
- SpringCardAPI.dll
- springcard i2c.dll
- springcard s9.dll
- springcard s10.dll

3V power supply provided by SoMo650.



SC-CF05

ID-1 slot



SC-CF06

ID-1 slot

ID-000 slot

Handles both class A and AB smartcards (3V and 5V)

standard serial communication port



Select vour library!

- SpringProxAPI.dll
- springprox.dll
- SProxDesfireAPI.dll
- sprox desfire.dll
- SProxCalypsoAPI.dll
- sprox_calypso.dll



SpringProx-CF

Compact-Flash type I

SpringProx-CFUP :

SpringProx-CF:

0 to 2cm

0 to 5 cm

Contactless



springcard

SpringProx-CFUP

Compact-Flash type II

3V power supply provided by SoMo650





SpringCard-CF overview

SpringCard - CF:

- Is a compact-Flash type I contact smartcard reader/writer suitable for any PocketPC with standard CF interface
- Is the perfect framework to build any Pocket PC application that embeds smartcard technologies
- Is the only smartcard compact-flash reader on the market
- Is compliant with all microprocessors and memory smartcards, according to Gemcore chipset

ID-1 format



ID-000 format

Characteristics

- 1 standard ISO ID-1 slot (« credit card ») handling:
 - ISO 7816 (1, 2, 3 and 4)
 - T=0, T=1, S=8, S=9, S=10 protocols
 - Card baud rate up to 115 kbps
- 1 micro SIM/SAM slot* (ISO ID-000 format) handling:
 - ISO 7816 (3 and 4)
 - T=0 and T=1 protocols
 - Card baud rate up to 115 kbps

* Only on SC-CF06



ID-1 slot

GemCore

chipset





SC-CF06

ID-1 slot + ID-000 slot





SpringProx-CF/UP overview

SpringProx - CF/UP:

- Is a **compact-Flash type I/II** contactless reader/writer suitable for any PocketPC with standard CF interface
- Is the perfect framework to build any Pocket PC application that embeds contactless technologies
- Handles any ISO 14443 (type A, B) compliant smartcards!

Supported contactless cards

- NXP (Philips): ICODE1, ICODE-SLI, Mifare Classic and UltraLight, Desfire, ProX, SmartMX
- Texas Instrument : TagIT
- ST MicroElectronics : SR176, SRiX, etc
- ASK CTS256B and CTS512B
- HID iClass and Inside PicoTag (only serial number)
- MultOS or JavaCard T=CL cards
- Calypso transportation cards
- NFC mobile phones or other NFC-capable objects (tag emulation mode)



SpringProx-CF
Compact-Flash type I



SpringProx-CFUP
Compact-Flash type II





Setup procedure





Procedure

- 1/ Plug the SpringCard-CF or SpringProx CF/UP into the SoMo650, plug your SoMo650 in your PC
- 2/ Download* and install ActiveSync on your PC
- 3/ Download* and install the serial driver patch for the SoMo 650 (through ActiveSync for example)
- **4/** Install in the SoMo650 your application or an application* provided by SpringCard . You need the executable file and the appropriate DLL according to your card type

Your SoMo is ready-to-use.

•Softwares download links :

http://www.springcard.com/download/springcard-cf.html http://www.springcard.com/download/springprox-cf.html

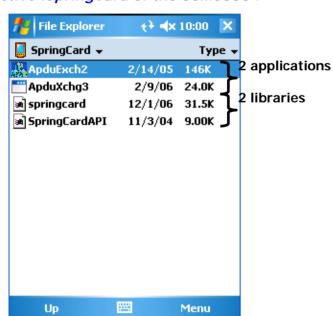


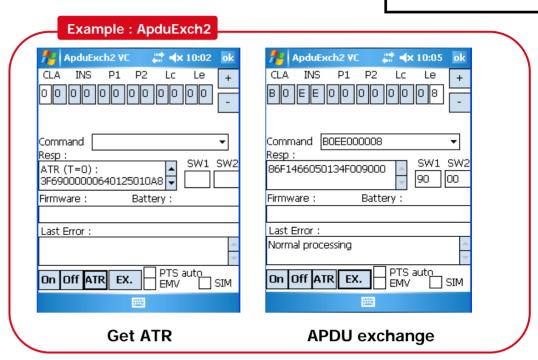


SpringCard-CF QuickStart



After QuickStart installation, you will find in the folder *Program files\Pro-Active\SpringCard* of the SoMo650:





Our download center

http://www.springcard.com/download/springcard-cf.html

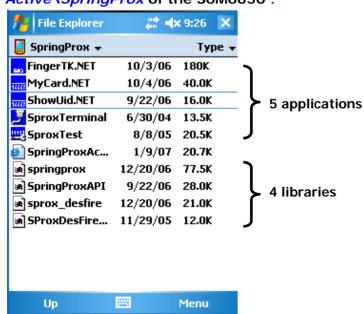


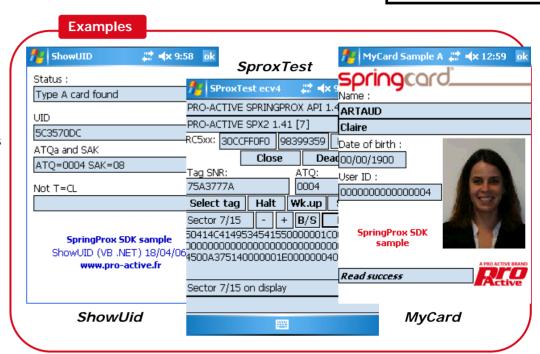


SpringProx-CF QuickStart



After QuickStart installation, you will find in the folder *Program files\Pro-Active\SpringProx* of the SoMo650:





Our download center

http://www.springcard.com/download/springprox-cf.html

Free SDK and QuickStart software !!!





Demo time!

SpringProx-CF
QuickStart application example:
MyCard









Case studies !!



- Diet program (UK) member card with weight and program information
 - 5000 units of SpringCard-CF03
 - Over 2000 managers equipped with 2 PDAs and 80 000 users
 - Periodic meetings : weight and diet recommendations
 - Recommendations uploaded to a data base : user online access
- Code Rousseau (France): Motorcycle school student card with level information
 - 500 units of SpringCard-CF03
 - Instructor equipped with a PDA
 - At each lesson: instructor writes recommendation and student progress (allows other instructors to pick up the lesson where it previously ended)
 - Synchronization to a data base
- Activation of VPN routers (USA) activation card with RSA key computed by the SAM card
 - 1000 units of SpringCard-CF06
 - Each maintenance staff member equipped with a PDA
 - RSA key generation and storage in the activation card





Case studies !!



- Thalys International (Belgium): Railway loyalty program
 500 units of SpringCard-CF03
- SNCB (Belgium) : Railway e-ticketing
 300 units of SpringProx-CF
- Wayfarer (UK) : Railway e-ticketing
 50 units of SpringProx-CF
- Casino (Mexico) ID of the staff member for a secure account crediting 30 units of SpringCard-CF03

Typical applications

- Hand terminal for any smartcard system
- Virtual wallet
- Access control tags programming
- Authentication and cryptographic systems
- E-ticketing
- Tracking
- Loyalty
- Access control





Contact us

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