

springcard[®]

Prox'N'Roll PC/SC HSP

Desktop contactless PC/SC Coupler

PFL16011-AA/01 2016

Key points

The Prox'N'Roll PC/SC HSP is an efficient and versatile desktop contactless coupler, supporting all NFC tags, ISO 14443 proximity smartcards and ISO 15693 RFID/vicinity tags.

ATTRACTIVE AND FAST

The **Prox'N'Roll PC/SC HSP** interoperates with virtually any chip in the 13.56MHz range, including popular NXP MIFARE® products and all kind of NFC tags. Thanks to its compliance with the PC/SC standard, the **Prox'N'Roll PC/SC HSP** hides all technical specificities of contactless token, ensuring a simple and straightforward implementation. A comprehensive SDK allows easy developments, in an open and interoperable scheme.

SpringCard provides the PC/SC driver for Windows and makes use of open source PCSC-Lite stack for other platforms.

The few things you have to know are that the **Prox'N'Roll PC/SC HSP**:

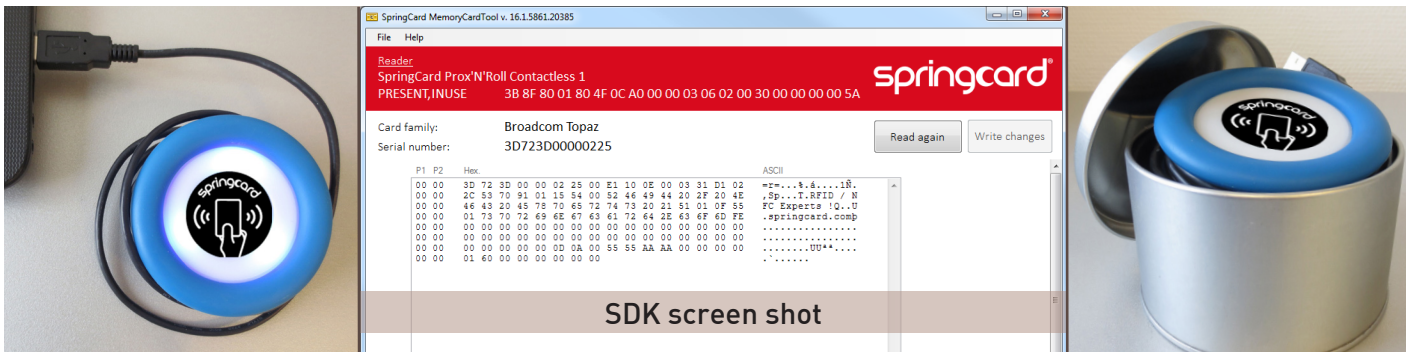
- Operates with any credential form factor and **any NFC-enabled objects** running in **card emulation mode**
- Has the **highest transaction time** allowed by the technology up to 848kbps in ISO 14443, 256B frames.
- Supported by major operating systems through standard drivers

TYPICAL APPLICATIONS

- Identification of users or things
- E-passports and other e-government documents
- Authentication
- Control access and security applications



1

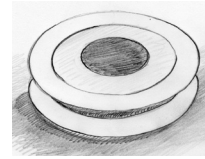


Order code

- SC9271: Prox'N'Roll PC/SC HSP

Technical data

Prox'N'Roll PC/SC HSP



RFID/NFC Standards	ISO 14443 A-B, ISO 15693, NFC peer-to-peer (ISO 18092 initiator, passive communication mode) - T=CL protocol on-board
Carrier frequency	13.56MHz (RFID HF, NFC)
RF field level	Typ.: 2.5A/m at 0cm, 1.5A/m at 1.5cm
Operating distance	Typ.: 0-5cm, up to 7.5cm
Card/tag baudrate	26kbps (ISO 15693), 106/212/424/848kbps (ISO 14443)*, 212/424kbps (ISO 18092)
Antenna	Integrated, Ø5.5cm, balanced
Communication with host	USB 2.0 full speed (1.1 compliant) 12Mbps - powered by the host (< 400mA @ 5V)
Standards	CCID 1.1 profile - PC/SC v 2.01
SDK	Free SDK for SpringCard PC/SC couplers
In-field firmware upgrade	Yes (USB / DFU using SpringCard FUU software)
Visual - sound	3 LEDs (RGB) - single tone beeper
Power	Powered by the USB bus (5V DC)
Size (DxH) - weight	Ø8.1cmx3.5cm - ca 113g
Cable / connector	1.8m / USB type A
Environment	
Temperature	Operating: -20°C – +70°C / Storage: -40°C – +85°C
Humidity	0 – 90% (non condensing)
MTBF	500 000 hours
Approvals	Radio : EN 300 330 – EMC : EN 301 489 – Sécurité : EN 60 950-1 CE mark – FCC class B part 15 (pending/on request)
Environmental approvals	RoHS, WEEE
Warranty	2 years

* Limited to 424 in factory settings.

For any questions or
further information
please contact us
info@springcard.com

YOUR EXPERT IN CONTACTLESS SOLUTIONS

SpringCard offers a wide range of products to meet as many needs and use cases as possible.

With a 15-year experience in contactless smartcards, communication technologies and development on embedded or mobile systems, SpringCard R&D Team is also a valuable partner to design your own solution or product.

SpringCard in the world

Angers - Paris - Strasbourg
San Diego - San Francisco - Sydney - Tokyo



www.springcard.com

SpringCard and the SpringCard logo are registered trademarks of SPRINGCARD SAS.

MIFARE, MIFARE Classic, MIFARE DESFire, MIFARE Plus, MIFARE UltraLight, ICODE, SmartMX, NTAG are registered trademarks of NXP B.V. and are used under license.
FeliCa is a registered trademark of Sony Corporation. Tag-it is a trademark of Texas Instruments. The N Mark is a registered trademark of NFC Forum, Inc. Bluetooth is a registered trademark of Bluetooth SIG, Inc.
Some icons made by Freepik, Elegant Themes, Sarfraz Shoukat, Picol, Situ Herrera, Icomoon, Icons8, OCHA from www.flaticon.com

We reserve the right to change specifications, product descriptions, or to stop manufacturing a product, at any time and without prior written or oral notice.
Non-contractual pictures and drawings.

SPRINGCARD SAS au capital de 227 000 € (FRANCE) - RCS EVRY B 429 665 482 - NAF 722 C - VAT #: FR 27 429 665 482
Copyright © SPRINGCARD SAS 2016, tous droits réservés.



Products designed and
manufactured in France

