

**springcard**<sup>®</sup>

## **Prox'N'Roll PC/SC HSP**

Desktop contactless PC/SC Coupler

# 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



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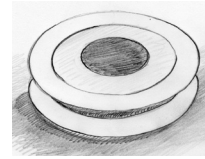
SDK screen shot

## Order code

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

# Technical data

## Prox'N'Roll PC/SC HSP



|                                |   |
|--------------------------------|---|
| <b>RFID/NFC Standards</b>      | 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)   |
| <b>Antenna</b>                 | Integrated, Ø5.5cm, balanced  |
| <b>Communication with host</b> | 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)   |
| <b>Visual - sound</b>          | 3 LEDs (RGB) - single tone beeper   |
| <b>Power</b>                   | Powered by the USB bus (5V DC)  |
| <b>Size (DxH) - weight</b>     | Ø8.1cmx3cm - ca 113g  |
| <b>Cable / connector</b>       | 1.8m / USB type A   |
| <b>Environment</b>             |   |
| Temperature                    | Operating: -20°C – +70°C / Storage: -40°C – +85°C   |
| Humidity                       | 0 – 90% (non condensing)  |
| MTBF                           | 500 000 hours   |
| <b>Approvals</b>               | Radio : EN 300 330 – EMC : EN 301 489 – Sécurité : EN 60 950-1 CE mark – FCC class B part 15 (pending/on request)     |
| <b>Environmental approvals</b> | RoHS, WEEE  |
| <b>Warranty</b>                | 2 years   |

\* Limited to 424 in factory settings.

For any questions or further information please contact us [info@springcard.com](mailto: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  
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