springcard®

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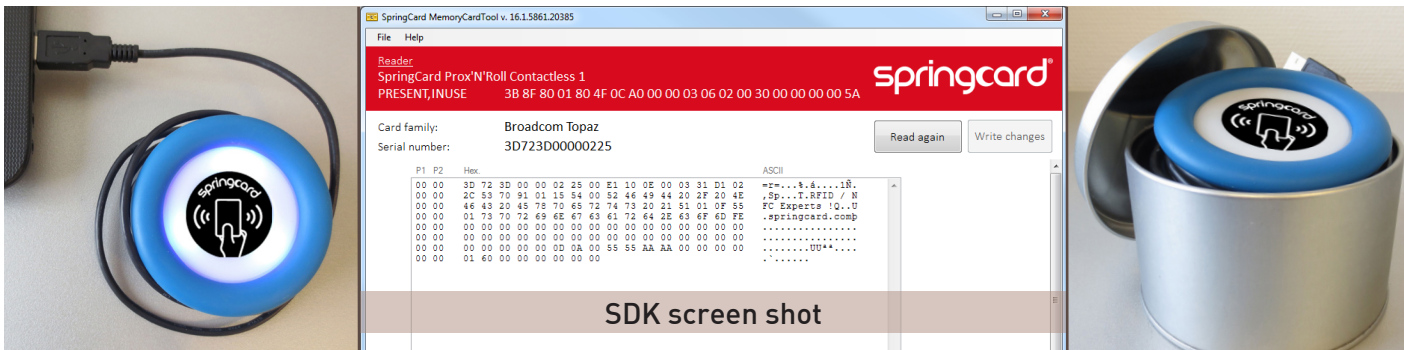
SpringCard provides the PC/SC driver for Windows and makes use of open source PCSC-Lite stack for other platforms.

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
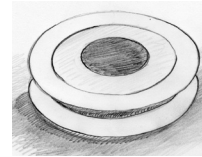- Control access and security applications

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SDK screen shot

Order code

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

Technical data

	Prox'N'Roll PC/SC HSP
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	Ø8.1cmx3cm - 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.

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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.

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Products designed and manufactured in France