

# 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**:

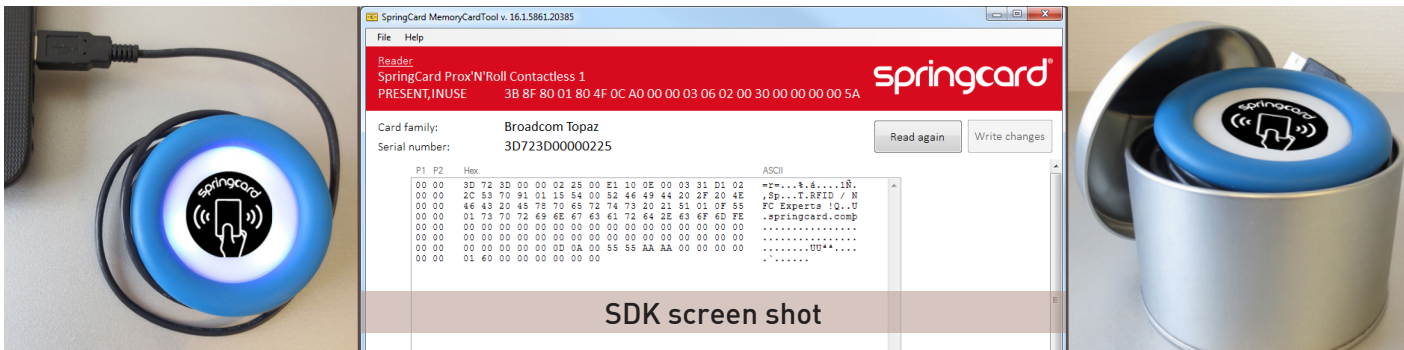
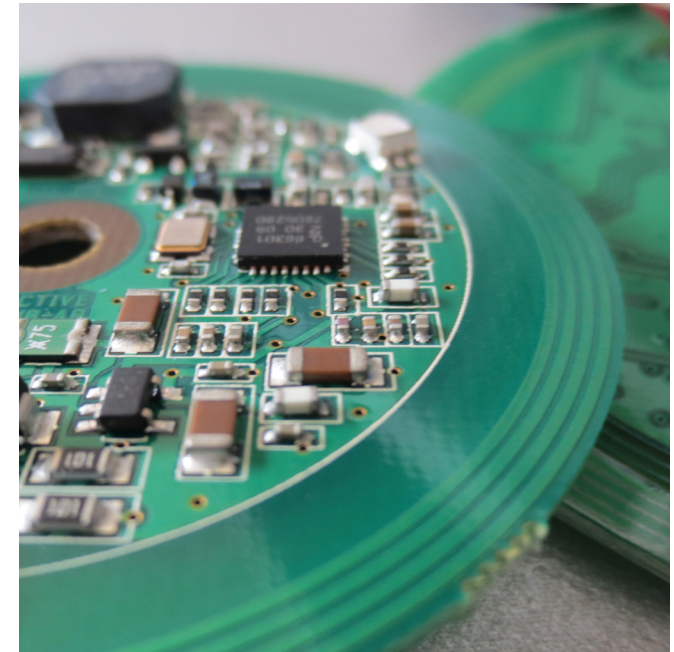
- Operates with any credential form factor and **any NFC-enabled objects** running in **card emulation mode**
- Has the **highest transaction time** allowed by the technology up to 848kbps in ISO 14443, 256B frames.
- Supported by major operating systems through standard drivers

## TYPICAL APPLICATIONS

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

## OEM VERSION

The **Prox'N'Roll PC/SC HSP** is available without housing.



## Order codes

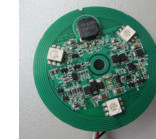
- SC15131: Prox'N'Roll PC/SC HSP (EU)
- SC16216: Prox'N'Roll PC/SC HSP FCC compliant (US/Canada)
- SC15254: Prox'N'Roll PC/SC HSP OEM (without housing)

# Technical data

Prox'N'Roll PC/SC HSP



Prox'N'Roll PC/SC HSP OEM



<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	Typ.: 2.5A/m at 0.5cm, 1.5A/m at 2.0cm
Operating distance	Typ.: 0-5cm, up to 7.5cm	Typ.: 0.5-5.5cm, up to 8.0cm
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	Ø5.5cmx0.6cm - ca 50g
<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 – Security: EN 60 950-1 – CE mark – FCC class B part 15 (SC16216 only) FCC id (US) TYQ-PRNHSP01 - IC (Canada) 21625-PNRHSP01	Radio : EN 300 330 – EMC : EN 301 489 Security : EN 60 950-1 – CE mark
<b>Environmental approvals</b>	RoHS, WEEE	
<b>Warranty</b>	2 years	

\* Limited to 424 in factory settings.

## 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



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manufactured in France

