

springcard[®]

Prox'N'Roll PC/SC HSP

Desktop contactless PC/SC Coupler

PFL16011-AC

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:

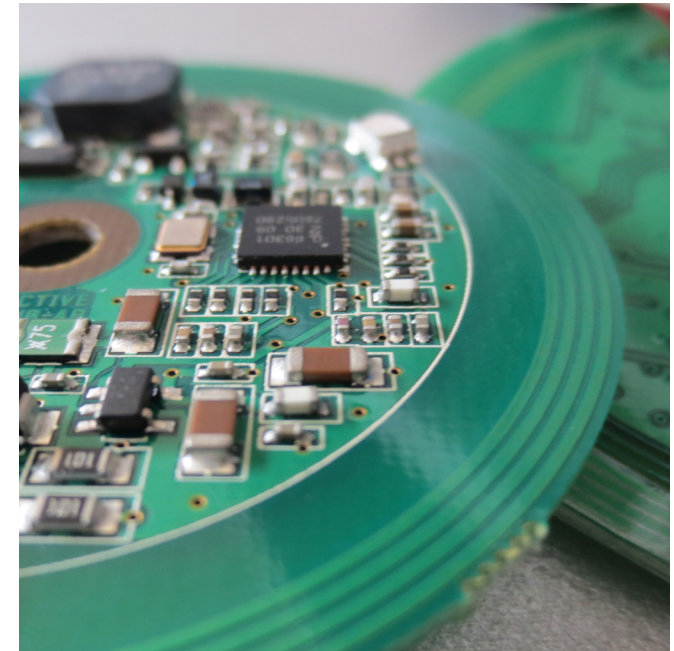
- Operates with any credential form factor and **any NFC-enabled objects** running in **card emulation mode**
- Has the **highest transaction time** allowed by the technology up to 848kbps in ISO 14443, 256B frames.
- Supported by major operating systems through standard drivers

TYPICAL APPLICATIONS

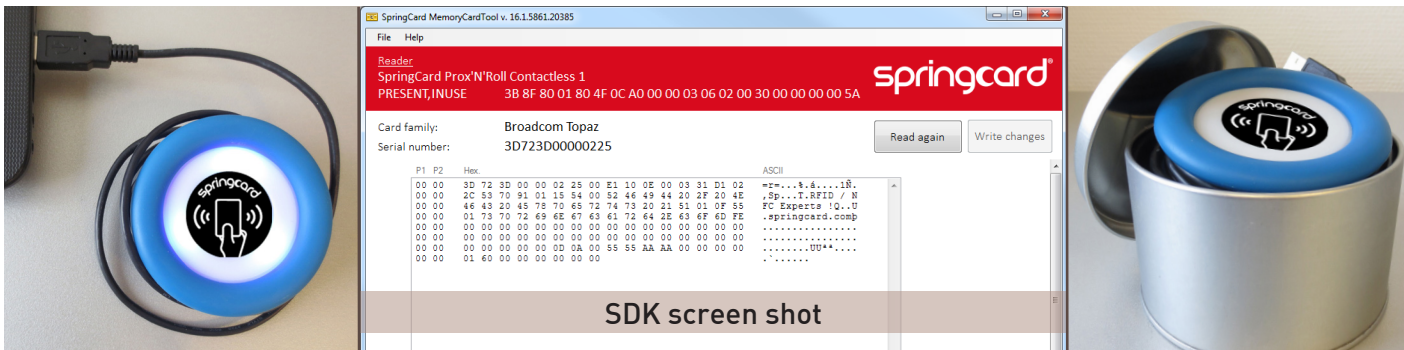
- Identification of users or things
- E-passports and other e-government documents
- Authentication
- Control access and security applications

OEM VERSION

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



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Order codes

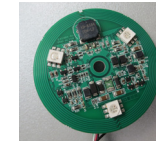
- SC15131: Prox'N'Roll PC/SC HSP (EU)
- SC16216: Prox'N'Roll PC/SC HSP FCC compliant (US/Canada)
- SC15254: Prox'N'Roll PC/SC HSP OEM (without housing)

Technical data

Prox'N'Roll PC/SC HSP



Prox'N'Roll PC/SC HSP OEM



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	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)	
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	Ø5.5cmx0.6cm - ca 50g
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 – 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
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

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Products designed and manufactured in France

