

springcard®

## Prox'N'Roll RFID Scanner HSP

# Key points

Neither a driver nor a specific software is required: the Prox'N'Roll RFID Scanner HSP's USB interface emulates a standard keyboard. Data from the RFID or NFC tag are entered as keystrokes.

## STANDALONE AND SIMPLE

Prox'N'Roll RFID Scanner HSP is highly configurable and could read the serial number or virtually any data from any RFID / NFC tag or contactless smartcards in the 13.56Mhz range.

Data are transmitted to the computer as if they were entered on the keyboard. Using a RFID chip becomes as easy as using a barcode.

Thanks to Prox'N'Roll RFID Scanner HSP, you don't need to develop a PC software to collect RFID data or extract information from a contactless smartcard: the reader runs on its own without any external software. And it works with any desktop operating system (Windows, Mac OS, Android, Linux...).

All this is made possible thanks to the **keyboard emulation mode**, compliant with **USB HID specification**.

Prox'N'Roll RFID Scanner HSP is:

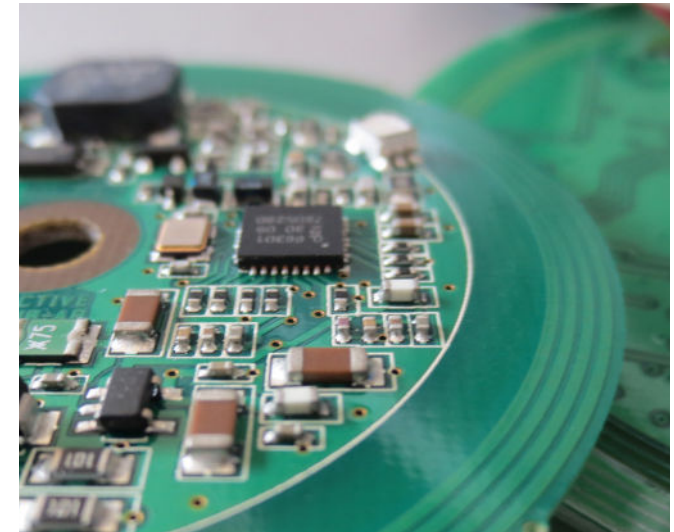
- Easily configured on the field through a secure master card or Multiconf software (Windows),
- Able to run 4 recognition templates simultaneously, so one may use 4 different tags families with the same reader.

## TYPICAL APPLICATIONS

- Loyalty programs
- Logistics, library
- Storage, stocktaking, order preparation
- Product traceability

## OEM VERSION

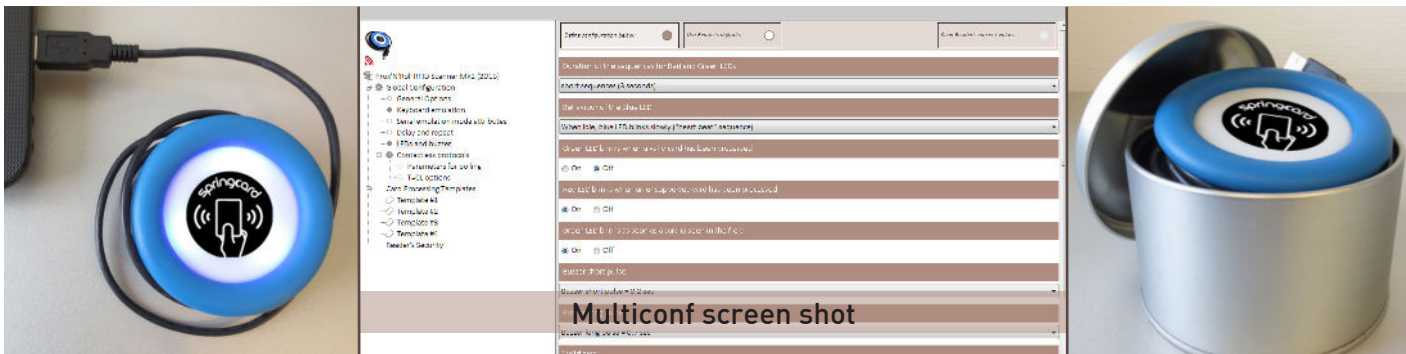
The Prox'N'Roll RFID Scanner HSP is available without housing.



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## Order codes

- SC15132: Prox'N'Roll RFID Scanner HSP Qwerty keyboard layout (EU)
- SC15133: Prox'N'Roll RFID Scanner HSP Azerty keyboard layout (EU)
- SC15134: Prox'N'Roll RFID Scanner HSP Qwertz keyboard layout (EU)
- SC16217: Prox'N'Roll RFID Scanner HSP FCC compliant (US/Canada)
- SC16234: Prox'N'Roll RFID Scanner HSP OEM Azerty keyboard layout (without housing)



Multiconf screen shot

# Technical data

	Prox'N'Roll RFID Scanner HSP	Prox'N'Roll RFID Scanner 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), 106kbps (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	USB HID (QWERTY/AZERTY/QWERTZ layout)*	
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 (SC16217 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	

\* This is the factory configuration. It can be changed on the field afterwards.

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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