

## PROX'N'ROLL PC/SC, PROX'N'ROLL RFID SCANNER - NEW GENERATION NOTICE

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Dear customer,

In 2013, **SpringCard** has released the **H663** module, based on a new-generation hardware ensuring both faster communications with RFID / NFC cards and an increased operating range, with lower power requirements. Since then, this new core is progressively replacing the earlier CSB6 core in all **SpringCard**'s PC/SC couplers and RFID Scanners.

As a consequence, current generation of Prox'N'Roll PC/SC and Prox'N'Roll RFID Scanner will be retired and replaced with a new generation of products named 'HSP', **providing the very same functions to the end-user** and opening up for new usages.

The technical differences between both generations are listed on the pages after.

Old product	Part No.	Name	Replaced by	Part No.
Prox'N'Roll PC/SC		Desktop contactless PC/SC reader/writer	<b>Prox'N'Roll PC/SC HSP</b>	
	SC9271			<b>SC15131</b>
Prox'N'Roll RFID Scanner		Zero-installation RFID reader (keyboard emulation)	<b>Prox'N'Roll RFID Scanner HSP</b>	
	SC2219	- QWERTY		<b>SC15132</b>
	SC14168	- AZERTY		<b>SC15133</b>
	SC14268	- QWERTZ		<b>SC15134</b>

OEM versions (without the shell) could be made available on request – contact us.

**Current generation of Prox'N'Roll PC/SC or Prox'N'Roll RFID Scanner could be ordered until 30/06/2015. All orders passed after this date will be translated into Prox'N'Roll PC/SC HSP and Prox'N'Roll RFID Scanner HSP respectively.**

Please contact [sales@springcard.com](mailto:sales@springcard.com) should you require a specific arrangement to remain on current generation longer.

Thanking you for your renewed confidence,

Denis Pietersoone, *President*

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### IT MAY BE THE RIGHT TIME TO TAKE THE MOVE FOR PC/SC COUPLERS!

We would remind you that since 2008-2009, SpringCard's strategy regarding PC-based readers/writers is to focus on PC/SC couplers (Prox'N'Roll PC/SC, CSB-HSP). We are strongly committed to ensure compliance of our PC/SC line with today's and future's major desktop and laptop operating systems.

On the other hand, the CSB4 line is a Legacy of pre-PC/SC systems. No assumption could be made regarding the compatibility of these products with any future version of the operating systems.

**Customers currently using CSB4.4U together with Windows or Linux systems are therefore encouraged to take the move to either Prox'N'Roll PC/SC or CSB-HSP LT.**

Please contact [sales@springcard.com](mailto:sales@springcard.com) if you wish to evaluate one of our PC/SC coupler.

### FOR MORE INFORMATION

Don't hesitate to contact us on [info@springcard.com](mailto:info@springcard.com) . Visit regularly our technical blog at

[www.springcard.com/blog](http://www.springcard.com/blog)

## PROX'N'ROLL PC/SC, PROX'N'ROLL RFID SCANNER - NEW GENERATION NOTICE

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### TECHNICAL DIFFERENCES BETWEEN PROX'N'ROLL PC/SC AND PROX'N'ROLL PC/SC HSP

#### Major changes

- The product's shell is now **(INSERT COLOR HERE)** instead of blue.
- The USB Product ID is now **91B1** instead of 7141. The Vendor ID remains 1C34.

#### Minor changes

- In-field firmware upgrade is now performed using **SpringCard F.U.U.** application (instead of Renesas FDT) and doesn't require to open the shell or remove the label anymore. Changing the firmware (from Prox'N'Roll PC/SC HSP to Prox'N'Roll RFID Scanner HSP) is straightforward and doesn't imply re-configuring the device anymore.
- The baudrate while communication with ISO 14443 cards goes up to 424kbps by default, instead of 106kbps by default. Capping to 106 or 212kbps, as well as going up to 848kbps is still possible using **SpringCard MultiConf** application.
- The color and the luminosity of the LEDs is not exactly the same.

#### New features

The **Prox'N'Roll PC/SC HSP** adds support to these ISO 14443 cards/tags:

- Broadcom (Innovision) Topaz/Jewel (NFC Forum Type 2 Tag)
- FeliCa (read ID only), FeliCa Lite-S (NFC Forum Type 3 Tag)
- Inside Contactless PicoTag and HID iClass (read ID only)
- Kovio RF Barcode (read ID only)
- Atmel CryptoRF

The **Prox'N'Roll PC/SC HSP** is also able to communicate according to ISO 18092 (NFCIP-1), being initiator and using the passive communication mode only. This allows to implement NFC Peer-to-peer exchange thanks to a LLCP/SNEP library running on the computer.

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### 1.0.1. Improved features

- Most read/write operations (Mifare cards, NFC Tags) are globally speaking a little faster.

### Removed features

The **Prox'N'Roll PC/SC HSP** is no longer able to support these cards/tags (where the earlier generation was):

- ASK CTS256B and CTS512B (disposable contactless tickets using based on ISO 14443-2)
- NXP ICODE1 (replaced for years by ICODE-SLI, which is fully ISO 15693 and therefore fully supported).

## PROX'N'ROLL PC/SC, PROX'N'ROLL RFID SCANNER - NEW GENERATION NOTICE

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### TECHNICAL DIFFERENCES BETWEEN PROX'N'ROLL RFID SCANNER AND PROX'N'ROLL RFID SCANNER HSP

#### Major changes

- The product's shell is now **(INSERT COLOR HERE)** instead of blue.
- The USB Product ID is now **9241** instead of 7241. The Vendor ID remains 1C34.

#### Minor changes

- In-field firmware upgrade is now performed using **SpringCard F.U.U.** application (instead of Renesas FDT) and doesn't require to open the shell or remove the label anymore. Changing the firmware (from Prox'N'Roll RFID Scanner HSP to Prox'N'Roll PC/SC HSP) is straightforward and doesn't imply re-configuring the device anymore.
- The color and the luminosity of the LEDs is not exactly the same.

#### New features

The **Prox'N'Roll RFID Scanner HSP** adds support to these ISO 14443 cards/tags:

- Broadcom (Innovision) Topaz/Jewel (NFC Forum Type 2 Tag)
- FeliCa (read ID only), FeliCa Lite-S (NFC Forum Type 3 Tag)
- Inside Contactless PicoTag and HID iClass (read ID only)
- Kovio RF Barcode (read ID only)
- Atmel CryptoRF

The **Prox'N'Roll RFID Scanner HSP** is able to decode NDEF-formatted data (smartposter, URI etc) from a NFC Forum compliant Tag (Type 1, Type 2, Type 3, Type 4A and Type 4B).

The **Prox'N'Roll RFID Scanner HSP** is also able to communicate according to ISO 18092 (NFCIP-1), being initiator and using the passive communication mode only. It is able to receive a "NFC Beam", i.e. to receive a NDEF Message within a LLCP/SNEP exchange (NFC Peer-to-peer mode), and to extract the data from the NDEF.

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### Improved features

(none)

### Removed features

The **Prox'N'Roll RFID Scanner HSP** is no longer able to support these cards/tags (where the earlier generation was):

- ASK CTS256B and CTS512B (disposable contactless tickets using based on ISO 14443-2)
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