Prox'N'Roll PC/SC & Prox'N'Roll RFID Scanner

New Generation Notice

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 replace with a new generation of products named 'HSP', **providing the very same functions to the end-user, opening up for new usages, for the same price**.

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

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

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

Current generation of Prox'N'Roll PC/SC or Prox'N'Roll RFID Scanner are still available **until end of June 2016, while stock last**. It will stay available **if the minimum order quantity is 100. If less than 100 pieces, after June 2016, orders will be respectively translated into new Prox'N'Roll PC/SC HSP and new Prox'N'Roll RFID Scanner HSP.**

Please note that this changing concerns all the products based on current Prox'N'Roll, even customer specific products (EX referenced products).

Should you require a specific arrangement to remain on current generation longer, please contact sales@springcard.com.

Thank you for your renewed confidence,

Denis Pietersoone

CEO, SpringCard SAS

1. Technical differences between Prox'N'Roll PC/SC and Prox'N'Roll PC/SC HSP

See the product pages:

OEM version https://www.springcard.com/en/products/oem-prox-n-roll-hsp-pc-sc

Housing version https://www.springcard.com/en/products/proxnroll-pcsc-hsp

Major changes

■ The top label's design is changed (see the image on the right)

The top label's image uses an icon made by Freepick from www.flaticon.com

■ The USB Product ID is now **91B1** instead of 7141. The Vendor ID remains 1C34.

Minor changes

■ 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.

■ 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.

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):

- NXP ICODE1 (replaced for years by ICODE-SLI, which is fully ISO 15693 and therefore fully supported).

2. Technical differences between Prox'N'Roll RFID Scanner and Prox'N'Roll RFID Scanner HSP

See the product pages:

OEM version https://www.springcard.com/en/products/oem-prox-n-roll-hsp-rfid-scanner

Housing version https://www.springcard.com/en/products/proxnroll-rfid-scan-hsp

Major changes

- The top label's design is changed (see the image on the right)

The top label's image uses an icon made by Freepick from www.flaticon.com

- The USB Product ID is now **9241** instead of 7241. The Vendor ID remains 1C34.

Minor changes

- The color and the luminosity of the LEDs is not exactly the same.

New features

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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 it 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.

- 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.

Improved features

Operating distance of the **Prox'N'Roll RFID Scanner HSP** has been improved.

Removed features

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

- NXP ICODE1 (replaced for years by ICODE-SLI, which is fully ISO 15693 and therefore fully supported).

For more information

Don't hesitate to contact us at

info@springcard.com

And don't forget to visit regularly our technical blog at

http://tech.springcard.com/

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