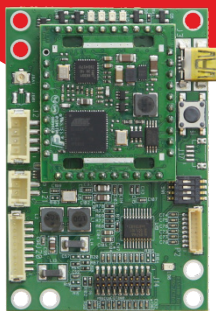
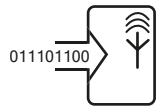


# SPRINGCARD CRAZY WRITER HSP



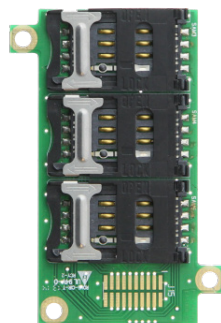
## PRINTER OPTION

Smart Contactless card encoding



### A POWERFUL CONTACTLESS ENCODER

The SpringCard Crazy Writer HSP is a versatile OEM contactless reader/writer.



Featuring up to 4 SAM slots (optional card with 3 SAM slots), Crazy Writer HSP is the perfect coupler for advanced security operations.

With its compact design and bus-powered USB interface, Crazy Writer HSP integrates itself easily into card printers, vending or ticketing machines, fare gates or validators in transportation networks, and more.

Crazy Writer HSP makes no compromise on speed and performances (card baud rate up to 848 kbps).

#### Target markets

- ePayment
- ePurse
- Gaming
- Access Control
- Transport

#### Supported printers

- Factory mounted
  - Zenius Expert
  - Primacy
  - Primacy Lamination
  - Quantum<sup>2</sup>
  - Tattoo<sup>2</sup> RW
- On-site upgrade
  - Zenius Expert
  - Primacy
  - Primacy Lamination
  - Quantum<sup>2</sup>
- Upon project request
  - Elypso
  - KC200/KC200B
  - KM500B
  - KM2000B

#### Software & SDK

PC/SC Software and dev. kit free of charge

SpringCard Crazy Writer HSP is compliant with both PC/SC and CCID specifications, thus can be operated from common OS using default drivers. It brings immediate contactless card support to existing PC/SC applications (the whole product is seen as 5 PC/SC readers: 1 contactless, and 4 SIM/SAM).

### SUPPORTING A WIDE RANGE OF CONTACTLESS STANDARDS

The SpringCard Crazy Writer HSP is ISO 14443 A and B compliant, supporting MIFARE Classic and UltraLight, DESFire, Calypso and many other tags.

### ABOUT SPRINGCARD

Established in 2000, Pro Active is an innovative provider of smartcard related solutions, and one of the leaders on the contactless-reader market. SpringCard has been created to distribute Pro Active's contact and contactless products worldwide, under a single brand name.

## SPRINGCARD CRAZY WRITER HSP

### CONTACTLESS SMARTCARD INTERFACE

<b>STANDARDS</b>	<ul style="list-style-type: none"> <li>• ISO/IEC 14443 A and B, T=CL protocol on board, up to 848 kbps</li> <li>• ISO/IEC 15693</li> <li>• ISO/IEC 18092 NFC - DEP protocol on board, up to 424 kbps</li> </ul>
<b>RFID CARRIER</b>	<ul style="list-style-type: none"> <li>• 13.56MHz</li> </ul>
<b>SUPPORTED CARDS (MAIN LIST)</b>	<ul style="list-style-type: none"> <li>• NXP (Philips) ICODE1, ICODE-SLI, etc</li> <li>• Texas Instruments TagIT</li> <li>• NXP (Philips) MIFARE Classic, &amp; Ultralight</li> <li>• NXP (Philips) DESFire, SmartMX, ProX</li> <li>• Infineon SLE66 family, ATMEL AT88</li> <li>• ST Microelectronics SR, SRI, SRIX families</li> <li>• Inside PicoPass</li> <li>• ASK CTS256/ CTS512</li> <li>• Calypso (CD21, CD97, GTML, etc)</li> <li>• And virtually any ISO/IEC 14443 A and B compliant smartcard or ISO/IEC 15693 compliant RFID labels and tags</li> </ul>
<b>CARD BAUD RATE</b>	<ul style="list-style-type: none"> <li>• 106, 212, 424 or 848 kbps (ISO14443)</li> <li>• 26kbps (ISO 15693)</li> </ul>

### SIM / SAM INTERFACES

<b>CARD FORMAT</b>	<ul style="list-style-type: none"> <li>• ID-000 (μSIM)</li> </ul>
<b>NUMBER OF SLOTS</b>	<ul style="list-style-type: none"> <li>• 1 slot</li> </ul>
<b>STANDARDS</b>	<ul style="list-style-type: none"> <li>• ISO/IEC 7816 (3 and 4), T=0 &amp; T=1 and Calypso HSP</li> </ul>
<b>SMARTCARD CLASS</b>	<ul style="list-style-type: none"> <li>• A , AB and ABC (5V, 3V and 1.8V cards)</li> </ul>
<b>CARD BAUD RATE</b>	<ul style="list-style-type: none"> <li>• Up to 115200 bps</li> </ul>
<b>DURABILITY</b>	<ul style="list-style-type: none"> <li>• 5,000 SIM/SAM insertions</li> </ul>

### OPTIONAL CARD WITH 3 SIM / SAM INTERFACES

<b>CARD FORMAT</b>	<ul style="list-style-type: none"> <li>• 3 ID-000 (μSIM) slots</li> </ul>
<b>STANDARDS AND CARD BAUD RATE</b>	<ul style="list-style-type: none"> <li>• ISO/IEC 7816 (3and 4), T=0 &amp; T=1 and Calypso HSP</li> <li>• Up to 115200 bps</li> </ul>

### PC/ SC MODE

<b>WINDOWS DRIVER</b>	<ul style="list-style-type: none"> <li>• 2000/ XP/ Vista/7/8/10</li> </ul>
<b>LINUX &amp; OTHERS</b>	<ul style="list-style-type: none"> <li>• Supported by PCSC-lite CCID driver</li> </ul>
<b>API &amp; SDK</b>	<ul style="list-style-type: none"> <li>• Full PC/SC – Free SDK available</li> </ul>

Data source: Springcard Crazy Writer HSP product information sheet – PFL166-BA.pdf dated 23/10/2014