

## SPRINGTAG MOBILE NFC TERMINAL



Mobile NFC terminal - RFID reader & encoder, on-the-field contactless operation. Fast 32-bits CPU, highly customizable through SDK

### KEY FEATURES

- ISO 14443 A, B + Innovatron (B')
- ISO 18092 «NFC-IP1»
- 2 x 16 char LCD with backlight
- 3 customizable buttons + 1 ON/OFF button
- powered by AAA-sized batteries, more than xxx hours of continuous operation (xxx days in sleep mode)
- micro USB for battery-loading and PC-link

### A FEW TYPICAL APPLICATIONS

- Events,
- Arena, resorts,
- Mobile credential control.

### CUSTOMIZING SPRINGFIELD PLATFORM

- Highly customizable platform,
- Proprietary card authentication scheme,
- Large amount of data,
- On-the-fly writing into the card,
- Embedded card validation algorithm,
- Custom reader firmwares code compatible with K531,

### OPERATING MODE AND CONFIGURATION

- Depending on its configuration template, SpringTag will either read serial numbers, fetch data from memory cards or labels, or retrieve data in the files of a T=CL card (even after 3-DES authentication for Desfire cards)
- SpringTag can execute 1 to 4 templates simultaneously, giving a single reader the opportunity to accommodate different kind of cards, without the end-user noticing they are different
- Templates are loaded in SpringTag using secured "master cards", and are 100% compliant with IWMK632 template model. This allows immediate deployment of SpringTag in mobile access control applications where IWMK632 is already in use

### SPRINGCARD & PRO ACTIVE

Established in 2000, Pro Active is an innovative provider of smartcard-related solutions, and one of the leaders on the contactless-reader market.

SpringCard distributes Pro Active's contact and contactless products worldwide, under a single brand name.

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## SPRINGTAG NFC MOBILE TERMINAL



## TECHNICAL SPECIFICATIONS

### Contactless & RFID Interface

Standards	ISO/IEC 14443 A and B, T=CL
RFID carrier	13.56 MHz
Operating distance	up to 4 cm depending on card and on environment
Card baud rate	106 kbit/s (14443)
Supported cards (partial list) : <ul style="list-style-type: none"> <li>▪ NXP (Philips) MIFARE Classic &amp; UltraLight</li> <li>▪ NXP (Philips) DESFIRE, SmartMX, ProX</li> <li>▪ Infineon SLE66 family</li> <li>▪ ST MicroElectronics SR, SRI, SRIX families</li> <li>▪ HID iClass, Inside PicoTag</li> <li>▪ ASK CTS256/CTS512</li> <li>▪ Calypso (CD97, CD21, GTML...)</li> </ul> And virtually any ISO/IEC 14443 A or B compliant smartcard, compliant RFID label	

### Power

Rechargeable battery	1 x 2000 mAh Li-ion
Charger	5V, 500mA
Typical eutonomy	More than 30 000 scans

### Hardware specifications

Trigger button	Power on, connect and scan functions
Status indicator	2 tricolor LEDs (red, orange, green) Buzzer (85dBA)
Housing	Grey ABS-PC and Black SEBS rubber
Dimensions	125 x 52 x 33 mm
Weight	132 g

### Environment and safety

Operating temperature	-10 → +40°C
Storage temperature	-40 → +85°C
Durability	1 000 000 trigger cycles
MTBF	500 000 hours
CE mark	EN50082 / EN55022 class B
Other standards	RoHS, FCC

### Operating modes

Connected	Real-time transmission to host
Batch mode	Stores up to 10 000 idents with timestamp

## ORDER CODES

PART #	Description
PXRN-16	ProxRunner Bluetooth RFID scanner

### PRECAUTIONS FOR INSTALLATION

This device is a contactless reader; it uses inductive coupling (magnetic field) to power the cards and communicate with them. Precaution must be taken to keep the reader far from any source of perturbation (e.g. other readers, computers...). Installing the reader near a metal surface (aluminium or steel plate...) will lead to shorter operating distance and increased power consumption. SpringCard has a long experience installing contactless couplers in various kind of devices. Do not hesitate to contact us if you need any assistance.

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