



# Baracoda **TagRunners**

Contact RFID Reader / Encoder



- RFID HF 13.56 MHz technology
- Contact reading
- Various protocols supported
- Reading / Encoding function
- Timestamp
- Batch mode available
- To be connected on a wide range of mobile terminals : PDAs / Mobile phones / Rugged PDAs / Pocket PCs / Smartphones
- Bluetooth class 1 (up to 100 m )
- Withstands several drops onto concrete due to its protective boot

- Traceability in Medical Environments
- Asset Tracking : barrels, tanks, vegetable, outdoor facilities, ...

# TagRunners\* Specifications

## Standards

Bluetooth 2.0  
SPP profiles  
Bluetooth certified

## User Interface

2 tricolor LEDs (orange, green, red)  
Buzzer 85 dBA

## Bluetooth Range

Class 1 = up to 100 m

## Using Mode

Real Time (with or without timestamp)  
Batch (with or without timestamp) : 10,000 Tags  
No Data Loss Mode with buffering up to 10,000 Tags  
Flash Memory 1 MB

## Scan Engine

Reading Technology RFID HF 13.56 MHz  
Reading Distance Contact

## Reading Mode

Switch  
Autoscan  
Smart Autoscan  
Option : "No duplicate scan" mode

## Reading Capacities

Supported protocols ISO/IEC 14443-A (NXP Mifare 'Classic' 1K / 4K, Ultra Light, DESFire, etc)  
ISO/IEC 14443-B (ST SR, etc)  
ISO/IEC 15693 (NXP ICODE-SLI, TI Tag-it, ST LR, etc)  
NXP ICODE-1  
Inside Contactless PicoTAG  
ASK CTS256B/CTS512B  
NFC

## Energy / Power

Battery 1 x 2000 mAh Li-ion recharge  
Autonomy up to 15,000 Tags  
Charging Time 4 hours for 100% charge  
2.5 for 80% charge

## Dimensions

Length 123 mm  
Width 52 mm  
Height 33 mm  
Weight 132 g

## Environment

Humidity 5 - 95% (No condensing)  
Drop Withstands several drops onto concrete due to its protective boot

\* Springcard Inside

## Main Features

### Ideal for asset tracking applications

The TagRunners is a RFID HF (High Frequency) contact reader/encoder dedicated to mobile environments where barcode reading is not efficient for some applications in asset tracking, traceability in medical environments.

### Rugged reader

TagRunners is particularly adapted to rugged environments and remains fully operational after several drops onto concrete

### Durable battery

The TagRunners can read up to 15,000 tags during a continuous use

Battery level status: Check in real time the battery status of the reader on your mobile device

### «No Data Loss» Mode and Auto-Reconnection

When TagRunners is connected to a host, read data are transmitted in real time to this host. Data are stored in internal memory until they are acknowledged by the application.

If you read Tags out of the radio range, data will be stored in memory and automatically downloaded when getting back into range.

### Timestamp

Associate a date and a time to the reading of the tag

### Batch mode

This mode enables the TagRunners to stock up to 10,000 Tags with timestamp

### Easy-to-use

- Only one button to switch on the scanner, connect it and read RFID tags
- A tricolor LED indicates Bluetooth connection and battery level
- Sound beeps for reading confirmation (high volume available in option for noisy environments)

### Compatible platforms

Baracoda provides you with an easy-to-use middleware (BaracodaManager) and SDK to ease the integration on the following mobile platforms: PC ; PPC 2002/2003; WM5 / WM6; CE.NET; Symbian series 9 (mobile phones) et Java phones (BlackBerry & JSR82)

## Content

- 1 reader with rechargeable battery
- 1 PDA stylus
- 1 Charger (5V, 500mA)
- 1 CD containing documentation and software information

## Available accessories



Protective Boot



Key retractable reel



Cradle

To be used with TagRunners  
**AND** protective boot



Car charger



Neck lanyard