baracoda™
Traceability

Baracoda **Tag**Runners
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, ...

Bluetooth®

www.baracoda.com

TagRunners* Specifications

Standards

Bluetooth® 2.0 + EDR
Class 1 (100 m)
SPP profile

User Interface

2 tricolor LEDs (green, orange, red)

Buzzer 85 (dBA)

Using Modes

Real Time	with or without "No data Loss" mode
Batch	20,000 Tags capacity
Flash Memory	1 MByte

Real time clock to timestamp captured data can be activated

Data Capture

Reading Technology	RFID HF 13.56 MHz
Reading Distance	Contact

Reading Modes (for Tag ID)

Trigger	Possibility to switch ON beam via Bluetooth
Autoscan	Beam always on
Smart Autoscan	Save power consumption

No duplicate scan available function

Reading Capacities

Supported protocols	ISO/IEC 14443-A (NXP Mifare 'Classic' 1K / 4K, Ultra Light, etc)
	ISO/IEC 14443-B (ST SR, etc)
	ISO/IEC 15693 (NXP ICODE-SLI, TI Tag-it, ST LRI64, ST LRI 2K)
	ISO/IEC 15693 (KSW Variosens®)
	NXP ICODE-1
	Inside Contactless PicoTAG
	ASK CTS256B/CTS512B
	NFC

Energy / Power

Battery	1 X 2200 mAh Li-ion rechargeable
Autonomy	up to 15,000 Tags ID
Charging Time	4 hours for 100% charge
	2.5 hours for 80% charge

Dimensions

Length	123 mm	(4,84 in)
Width	52 mm	(2,05 in)
Height	33 mm	(1,3 in)
Weight	130 g	(4,5 oz)

Environment

Operating temperature	0°C - +40°C (32°F - 104°F)
Storage temperature	-10°C - +60°C (14°F - 140°F)
Humidit	5 - 95% (Non condensing)
Drop	Withstands several drops onto concrete due to its protective boot
Ambient light	Full darkness to sunlight

* 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, with its 3 mm of plastic casing protected by an additional layer of elastomer and the optional protective boot, is particularly adapted to harsh environments and remain fully functional even after multiple drops on concrete.

Durable battery

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

Battery monitoring: 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 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 store up to 20,000 Tags IDs with timestamp

Intuitive user interface

• Same button to switch on, connect and read RFID tags.
• Multi color led for connection and battery status.
• Sound beeps for successful scanning (loud volume option available 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 (including Windows 7) ; PPC 2002/2003; WM5 / WM6; Windows phone; CE.NET; Symbian series 9 (mobile phones) and Java phones (BlackBerry and JRS82)

Content

• 1 Reader with rechargeable battery
• 1 PDA stylus
• 1 Charger (5V, 500mA)
• 1 CD with all the documentation and software needed

Available accessories

Protective Boot

Key retractable reel

Holster

Cradle

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

Car charger

Neck lanyard