

# BLUEBERRY iS HF



**RFID reader and writer**

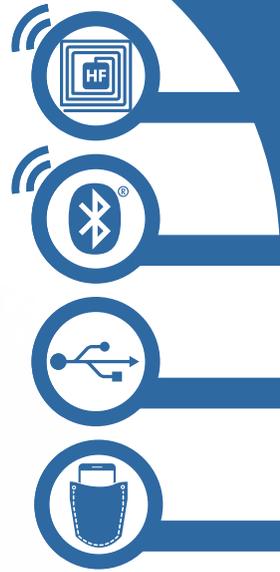
**USB interface - Bluetooth 2.1+ EDR**

**iAP and SPP profiles**

**Automatic ID reading**

**Output ASCII / HEX with prefix and suffix**

**Battery life up to 15000 readings**



Made for

 iPhone | iPad

BlueBerry iS HF is a mobile mini RFID reader, shaped like a keychain, able to read HF tags and transmitting the acquired data to any device equipped with a Bluetooth® radio interface.

The maximum reading distance is 6 cm.

The use of the RFID reader is easy and intuitive thanks to the presence of a single button to activate the reading of the HF tags, combined with an LED and a multi-tone beeper, to alert the operator of the reading.

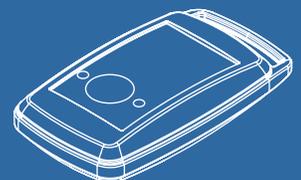
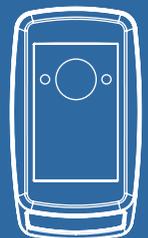
BlueBerry iS HF integrates Bluetooth® radio technology, specifically it uses the iAP and SPP profiles.

With the SPP profile, data transmission takes place in virtual serial mode, a two-way channel. A simple serial communication protocol, available on all TERTIUM Technology products, allows the user to manage all the RFID reader functions, in particular, the ID scan and the reading/writing of the HF tag memory. With this profile it is also possible, in the development phase, to integrate RFID technology in any application or program for mobile devices or desktops or laptops.

The iAP profile is essentially the same as the SPP profile and it is also fully compatible with iPhones® and iPads®.

BlueBerry iS HF is battery powered and charging is carried out via a micro USB connector.

Through the USB port it is possible to connect the BlueBerry iS HF to a PC, so that it can also be used as a normal RFID desktop reader. Data transmission on the USB interface takes place in virtual serial mode, a bidirectional channel (managed through the same serial communication protocol as the Bluetooth SPP interface).



# BLUEBERRY iS HF



 MAN/MACHINE INTERFACE	1 function key for RFID read activation, Multitone Beeper, 2 LED for device operation signaling
 INTERNAL DEVICES	Frequency: 13.56 MHz Channel occupancy in accordance with: - ETSI EN 302 330-2 V1.5.1, ETSI EN 300 328 V1.8.1 - FCC part 15 Power: 200 mW Standard: ISO 15693, ISO 14443-A (only reading ID) Read range: up to 6 cm <b>Embedded antenna</b>
 INTERFACES	Micro USB tipo B, Bluetooth Class 2 V2.1 + EDR
 OS COMPATIBILITY	iOS, Android, RIM, Windows Mobile/Phone, Windows, macOS, Linux
 PROCESSOR	Texas Instruments MSP430 (16 bit RISC a 16MHz)
 POWER SUPPLY	<b>USB powered:</b> 230mA peak @ 5Vdc (RF active full power), 30mA @ 5Vdc (idle mode) <b>Battery powered:</b> Li-Poly Battery 3.7Vdc 300mAh, rechargeable via micro USB Battery life 15000 readings, 24 h in idle mode
 WORKING TEMPERATURE	-20°C / 60°C
 DIMENSION	Height 6.8 cm – Width 4.2 cm – Depth 1.8 cm
 WEIGHT	30 g
 PROTECTION DEGREE	IP 54

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