

BLUEBERRY HS HF



RFID reader and writer

USB interface - Bluetooth 2.1+ EDR

**HID (keyboard emulation) and
SPP (bidirectional serial) profiles**

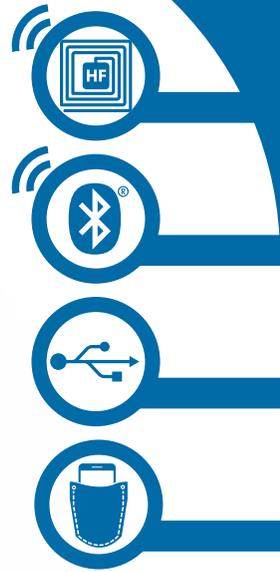
**Automatic reading of UID, UID + MEMORY
(up 512 bit) or other combinations**

**Manage all ISO 15693 commands
(mandatory, optional, custom)**

Read/Write up to 2 Mbit tag memory

Output ASCII / HEX with prefix and suffix

Battery life up to 15000 readings



BlueBerry HS HF is a mobile mini RFID reader, shaped like a keychain, capable of reading 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.

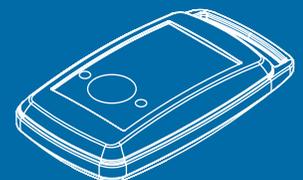
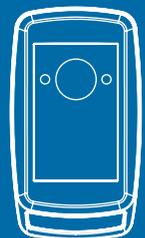
BlueBerry HS HF integrates Bluetooth® radio technology, specifically it uses HID and SPP profiles.

With the HID profile the data transmission takes place in keyboard emulation mode, mono-directional channel. This profile supports all major mobile devices, including those equipped with the iOS and Android operating systems. It also supports the main desktop and portable devices, including those with Windows, Linux and macOS operating systems. Thanks to this profile, any application or program that accepts identification data entered from the keyboard can receive the same data transmitted by the BlueBerry HS HF.

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, desktop or laptops.

BlueBerry HS 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 HS 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 HS 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 Embedded antenna
 INTERFACES	Micro USB type B, Bluetooth Class 2 V2.1+ EDR
 OS COMPATIBILITY	Bluetooth SPP Profile : Android, RIM, Windows Mobile/Phone, Windows, macOS, Linux Bluetooth HID Profile : iOS, Android, RIM, Windows Mobile, Windows, macOS, Linux
 PROCESSOR	Texas Instruments MSP430 (16 bit RISC a 16MHz)
 POWER SUPPLY	USB powered : 230mA peak @ 5Vdc (RF active full power), 30mA @ 5Vdc (idle mode) Battery powered : 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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