

BLUEBERRY HS HF

RFID in your pocket



RFID reader and writer

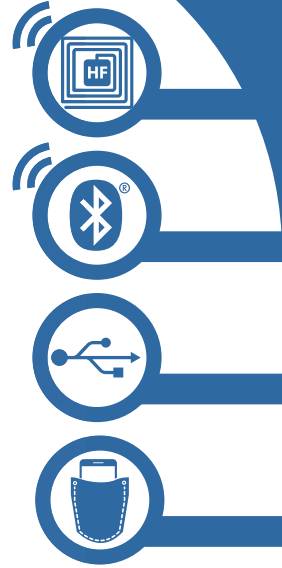
USB interface - Bluetooth 2.1+ EDR

SPP and HID (Keyboard Emulation) profiles

Reading of UID and User Memory (512 bit)

Output ASCII / HEX with prefix and suffix

Battery life up to 15000 readings



BlueBerry HS HF is an RFID key fob reader capable of reading an HF RFID tag and transmit it via Bluetooth® to any device equipped with that interface. With the push of a single button, this easy-to-use device allows the reading and transmission of RFID tag data to a mobile device.

The device has a reading distance of 6 cm (depending on the used tag).

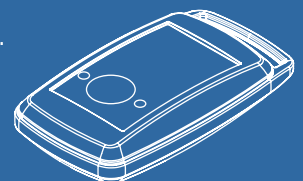
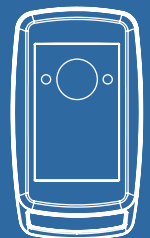
BlueBerry supports both SPP and HID Bluetooth profiles. The HID profile allows to transfer in keyboard emulation mode the acquired informations to mobile devices equipped with operative system as iOS (on iPad®, iPhone®), Android and others.

In the same time BlueBerry is an easy way to integrate the RFID communication system on fixed devices that are equipped with operative system as Windows, Linux, Mac OS.











The single communication protocol, integrated in all TERTIUM Technology products, makes it easier to develop and project an application software able to manage all the functionalities of the devices. The configuration software allows to set the major functionalities as, for instance, the automatic scanning or the conversion of the read data in ASCII format.

All high-level operations such as information processing, visual display, transmission via text message, e-mail or directly on server via GPRS are devolved to the device BlueBerry will interface with.

Additionally, BlueBerry HS HF can operate as a normal table RFID reader by simply connecting it to a PC via a USB cable.





 MAN/MACHINE INT	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, OSX, Linux Bluetooth HID Profile : iOS, Android, RIM, Windows Mobile, Windows, OSX, 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 reading, 24 h in idle mode
 WORKING TEMPERATURE	-20°C / 60°C
 DIMENSION	Width 6.8 cm – Height 4.2 cm – Depth 1.8 cm
 WEIGHT	30 g
 PROTECTION DEGREE	IP 54

(*) depending on the TAG