

BLUEBERRY HS UHF

RFID in your pocket



RFID reader and writer

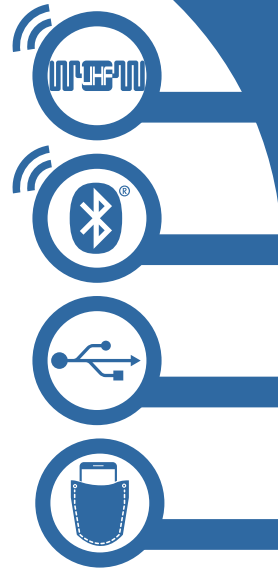
USB interface - Bluetooth 2.1+ EDR

SPP and HID (Keyboard Emulation) profiles

Reading of EPC, TID and User Memory

Output ASCII / HEX with prefix and suffix

Battery life up to 10000 readings



BlueBerry HS UHF is an RFID key fob reader capable of reading an UHF 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 30 cm with tag far field and 2 cm with tag near field (depending on the used tag).

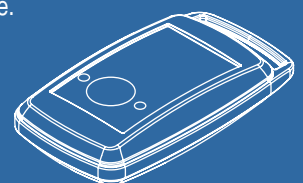
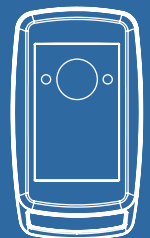
BlueBerry supports both SPP and HID Bluetooth profiles. The HID profile allows to transfer in keyboard emulation mode the acquired informations to mobile devices equipped with operative system as iOS (on iPad®, iPhone®), Android and others.

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 UHF 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	<p>RFID reader ETSI version: frequency: 865.6 – 867.6 MHz number of channels: single or 4 hopping channels Channel occupancy in accordance with: ETSI EN 302 208-2 V1.4.1 and ETSI EN 300 328 V1.8.1 power: 50 mW standard: EPC Class1 Gen2 read range: up to 30 cm with Far Field Tag, 2 cm with Near Field Tag (*)</p> <p>RFID reader FCC version: frequency: 902.55 – 927.7 MHz number of channels: 50 hopping channels (compliant to FCC part 15) channel occupancy in accordance with: FCC part 15 power: 50 mW standard: EPC Class1 Gen2 read range: up to 30 cm with Far Field Tag, 2 cm with Near Field Tag (*)</p> <p>Embedded antenna</p>
 INTERFACES	Micro USB type B, Bluetooth Class 2 V2.1+ EDR
 OS COMPATIBILITY	<p>Bluetooth SPP Profile : Android, RIM, Windows Mobile/Phone, Windows, OSX, Linux</p> <p>Bluetooth HID Profile : iOS, Android, RIM, Windows Mobile, Windows, OSX, Linux</p>
 PROCESSOR	Texas Instruments MSP430 (16 bit RISC a 16MHz)
 POWER SUPPLY	<p>USB powered: 380mA peak @ 5Vdc (RF active full power), 30mA @ 5Vdc (idle mode)</p> <p>Battery powered: Li-Poly Battery 3.7Vdc 300mAh, rechargeable via micro USB Battery life 10000 reading, 14 h in idle mode</p>
 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

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