

BLUEBERRY LE UHF MS4

RFID reader and writer

USB interface - Bluetooth Low Energy 4.1

Bidirectional serial emulation profile

Automatic reading of EPC or EPC + TID or other combinations

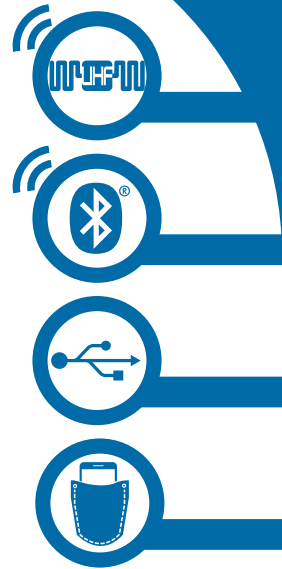
Output ASCII / HEX with prefix and suffix

Battery life up to 10000 readings

Ring of the loop antenna is 4 mm and it's suitable for small or micro tag (such as Murata Magicstrap®) embedded on metal

Antenna shape has the viewfinder function

Max reading distance is 2/3 mm



BlueBerry LE UHF MS4 is a mobile mini RFID reader, shaped like a keychain, able to read UHF tags and transmitting the acquired data to any device equipped with Bluetooth® Low Energy radio interface.

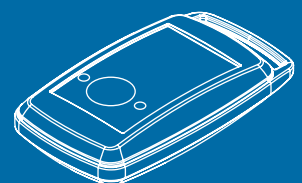
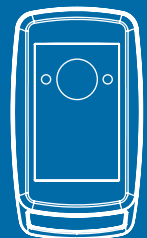
The maximum reading distance is 2/3 mm.

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

BlueBerry LE UHF MS4 integrates Bluetooth® Low Energy radio technology, specifically it uses the serial emulation profile, 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 UHF tag memory. With this profile it is possible, in the development phase, to integrate RFID technology in any application or program for mobile devices with an iOS and Android operating system.











BlueBerry LE UHF MS4 is battery powered and charging is carried out via a micro USB connector.

Through the USB port it is possible to connect the BlueBerry LE UHF MS4 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® Low Energy interface).



BLUEBERRY LE UHF MS4



 MAN/MACHINE INTERFACE	1 function key for RFID read activation, Multitone Beeper, 2 LED for device operation signaling
 INTERNAL DEVICES	Frequency: 13.56 MHz Power: 200 mW Standard: ISO 15693, ISO 14443-A (only reading) Read range: 2/3 mm Ring of the loop antenna is 4 mm
 INTERFACES	Micro USB type B, Bluetooth® Low Energy
 OS COMPATIBILITY	iOS, Android, RIM, Windows Mobile/Phone, 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 10000 readings, 14 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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