

BLUEBERRY LE HF MS15

RFID reader and writer

USB interface - Bluetooth Low Energy 4.1

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

Read/Write up to 2 Mbit tag memory

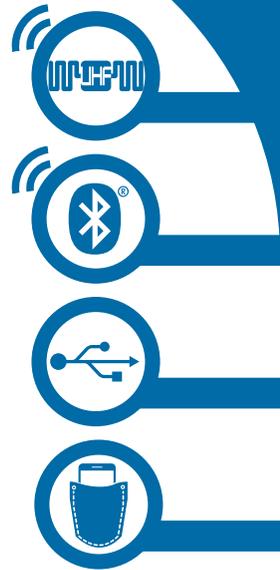
Output ASCII / HEX with prefix and suffix

Battery life up to 15000 readings

**Ring of the loop antenna is 14 mm and
it's suitable for small or micro tag
(such as Murata Magicstrap®) embedded
or molded on plastic**

Antenna shape has the viewfinder function

Max reading distance is 10 mm



BlueBerry LE HF MS15 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 Bluetooth® Low Energy radio interface.

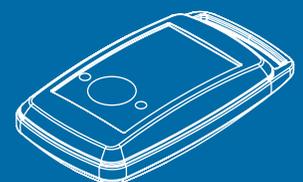
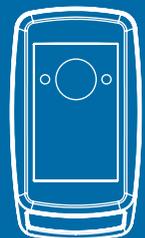
The maximum reading distance is 10 mm.

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

BlueBerry LE HF MS15 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 HF 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 using this profile.

BlueBerry LE HF MS15 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 HF MS15 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 HF MS15



 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 14443A/B, NFC Type-2 Tag, NFC Type-4 Tag, NFC Type-5 Tag, ST25TB Read range: up to 10 mm Ring of the loop antenna is 14 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 15000 readings, 14 h in idle mode
 WORKING TEMPERATURE	-20°C / 60°C
 DIMENSION	Height 7.7 cm – Width 4.3 cm – Depth 1.7 cm
 WEIGHT	21 g
 PROTECTION DEGREE	IP 54

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