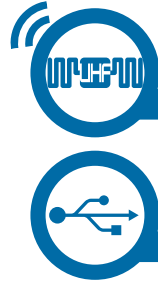# BLUERFID UHF

RFID reader and writer

TTL serial or USB interfaces

Embedded antenna

3 LEDs + multitone beeper
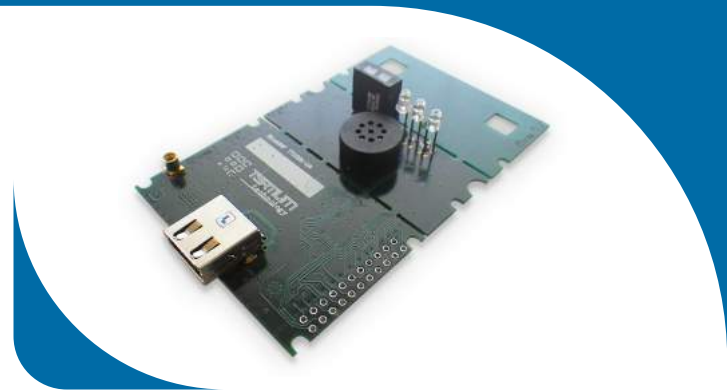
Proximity sensor

The BlueRFID UHF electronic card is a small desktop RFID reader, able to read and write UHF tags and transmitting the acquired data to any device with a USB interface.

The use of BlueRFID UHF is easy and intuitive, thanks to the automatic activation of the UHF tag scanning and the use of two LEDs and a multitone beeper to alert the operator of the reading.

BlueRFID UHF is powered via the USB interface, the same interface used to communicate with the main desktop or portable devices equipped with the Windows, Linux and macOS operating systems. 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 UHF tag memory.

BlueRFID UHF is equipped with an integrated RFID antenna. At the specific request of the customer, the options of an external antenna connector and/or the TTL serial interface are available instead of the USB one.

BLUERFID UHF

MAN/MACHINE INTERFACE	3 LED for device operation signaling , Multitone Beeper, Proximity Sensor
INTERNAL DEVICES	Frequency: 860 MHz ÷ 960 MHz Power: configurable up to 200 mW Standard: EPC Class1 Gen2 Reading distance: up to 1.2 m **Embedded antenna**
INTERFACES	TX ,RX, RTS, CTS asynchronous TTL serial or USB type A female
OS COMPATIBILITY	Windows, macOS, Linux
I/O	2 digital input, 2 digital output
POWER SUPPLY	USB powered, 480mA peak @ 5Vdc (RF active full power) 72mA @ 5Vdc (idle mode)
WORKING TEMPERATURE	-20°C / 70°C
DIMENSION (USB connector not included)	Height 9 cm - Width 5.7 cm
WEIGHT	20 g

TERTIUM technology