

# ICEKEY UHF



**RFID reader and writer**

**USB interface**

**Embedded antenna**

**3 LEDs + multitone beeper**

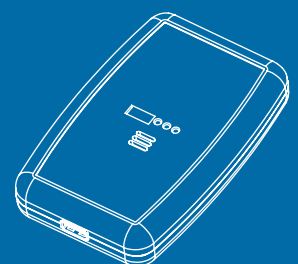
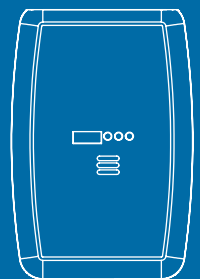
**Proximity sensor**

IceKey UHF is a desktop RFID reader. Small in size, it's able to read and write UHF tags and transmitting the acquired data to any device with a USB interface.

Using the antenna integrated into the RFID reader a maximum reading distance of 120 cm for UHF far field tags is achievable. Alternatively, using the UHF IceKey version which is equipped with a SMA RF connector, it is possible to connect to an external antenna to achieve greater reading distances, to integrate the RFID reader in particular mechanical tools and to be able to read near field micro UHF tags.










The use of IceKey UHF is easy and intuitive thanks to the automatic activation of the UHF scanning and the use of two LEDs and a multi-tone beeper to alert the operator of the reading.

IceKey UHF is powered via a USB interface. This same interface is used to communicate with the main desktop or with portable devices equipped with Windows, Linux or 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.



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	<b>MAN/MACHINE INTERFACE</b>	3 LEDs for device operation signaling, Multitone Beeper, Proximity Sensor
	<b>INTERNAL DEVICES</b>	Frequency: 860 MHz + 960 MHz Power: configurable up to 200 mW Standard: EPC Class1 Gen2 Reading distance: up to 1.2 m <b>Embedded antenna</b>
	<b>INTERFACES</b>	USB type A female
	<b>OS COMPATIBILITY</b>	Windows, macOS, Linux
	<b>POWER SUPPLY</b>	USB powered, 480mA peak @ 5Vdc (RF active full power) 72mA @ 5Vdc (idle mode)
	<b>WORKING TEMPERATURE</b>	-20°C / 70°C
	<b>DIMENSION</b>	Height 11.7 cm – Width 8 cm – Depth 2.4 cm
	<b>WEIGHT</b>	70 g
	<b>PROTECTION DEGREE</b>	IP 54