

# ICEKEY UHF

## RFID on your desktop



**RFID reader and writer**

**USB interface**

**Embedded antenna**

**3 LEDs + multitone beeper**

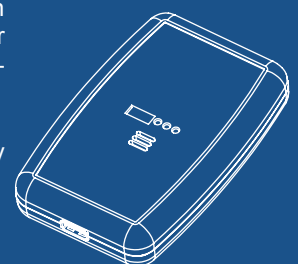
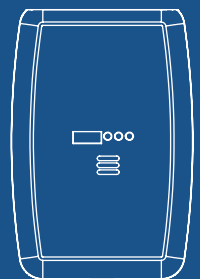
**Proximity sensor**

IceKey UHF is an RFID reader that is used to perform read/write operations on the major RFID UHF standard tags. The easy installation, the practical on-board man-machine interface with 3 coloured LEDs, a multitone beeper and, last but not least, a presence detector characterize this product. IceKey has an integrated antenna with reading capacity of 120 cm (depending on the tag used) but can also support an external antenna thus reaching higher reading distances. An external antenna with magnetic coupling can be used for near field UHF tag reading.

Thanks to USB interface, IceKey UHF readers are able to convert devices such as PCs, Notebooks or embedded PCs in a real RFID communication platform. The IceKey reader is equipped with appropriate drivers that make it compatible with the main operating systems (Windows XP, Windows Vista, Windows 7, Linux, Mac OS), allowing an easy and instant use of data exchanged with tags.

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, supplied with the product, allows to set the major functionalities as, for instance, the automatic or terminal-activated manual scanning. Alternatively, the device can be used so that reading operations are performed only when an object or person approaches the presence detector.

The IP54 protection class ABS case ensures high level of robustness. These features make IceKey UHF highly functional for any application requiring an RFID control station.



# ICEKEY UHF



## MAN/MACHINE INT

3 LEDs 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: 1.2 m (\*)  
Embedded antenna



## INTERFACES

USB type A female



## OS COMPATIBILITY

Windows XP, Windows Vista, Windows 7, OSX, Linux



## POWER SUPPLY

USB powered, 480mA peak @ 5Vdc (RF active full power) 72mA @ 5Vdc (idle mode)



## WORKING TEMPERATURE

0°C / 70°C



## DIMENSIONS

Width 11.7 cm – Height 8 cm – Depth 2.4 cm



## WEIGHT

70 g



## PROTECTION DEGREE

IP 54

(\*) depending on the TAG