ICEKEY UHF

RFID on your desktop

RFID reader and writer

USB interface

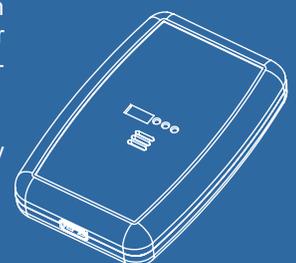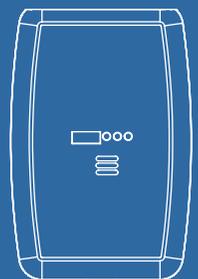**Embedded antenna**

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, Mac OS, Linux), 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.

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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: up to 1.2 m (*) Embedded antenna
INTERFACES	USB type A female
OS COMPATIBILITY	Windows, Mac OS, Linux
POWER SUPPLY	USB powered, 480mA peak @ 5Vdc (RF active full power) 72mA @ 5Vdc (idle mode)
WORKING TEMPERATURE	-20°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