

# ICEKEY

**Over-the-counter device with USB interface for RFID UHF tag reading/writing.**

**IceKey** 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 acoustic device 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.

The interface versatility provided by USB port means IceKey readers may turn any PC, Notebook, embedded PC or last generation Netbook into a real RFID communication platform for a fast and easy display of data exchange with tags on your terminal. The ABS case with IP54 protection degree guarantees a high level of robustness.

These features make IceKey highly functional for any application requiring an RFID control station. The reading process can be set to operate cyclically or manually governed from terminal. Alternatively, the device can be used so that reading operations are performed only when an object or person approaches the presence detector.

### **Access control and logistics**

Thanks to the easy installation, IceKey allows easy conversion of normal stations into effective RFID check points.

The access control one of the typical applications where check-in automatically takes place by simply walking through the antenna reading area with an UHF identification badge.

Likewise, reading/writing operations are easily made on products bearing UHF labels or anything requiring univocous identification.





## TECHNICAL CHARACTERISTICS

MAN/MACHINE INTERFACES	<b>3 LED for device operation signaling</b> <b>Speaker</b> <b>Proximity Sensor</b>
INTERNAL DEVICES	<b>RFID UHF reader:</b> <b>radio: 860 MHz ÷ 960 MHz</b> <b>standard: EPC Class1 Gen2</b> <b>read range: 1,2 m with embedded antenna</b>
INTERFACES	<b>USB</b>
POWER SUPPLY	<b>5Vdc by USB, max power consumption 400 mA</b>
WORKING TEMPERATURE	<b>0 - 70 °C</b>
DIMENSIONS	<b>Width 11,7 cm – Height 8 cm – Depth 2,4 cm</b>
WEIGHT	<b>70 g</b>
PROTECTION DEGREE	<b>IP54</b>

TERTIUM