

## **13.56 MHz multi-technology RFID reader**



The new multi-functional and multi-technology RFID reader **MINI\_Flex** gets its name from its extreme flexibility in applications, suited for use with transponders in all common 13,56 MHz technologies. This universal application possibility offers enormous advantages compared to other readers supporting just one technology.

This completely potted RFID reader MINI\_Flex can easily be mounted outside (IP65) and is developed for surface mounting,. A wide selection of software programs and interfaces allows this reader to be used in all kind of applications.

### **Some of the highlights :**

- easy mounting, both in- as outdoor
- best price/quality ratio
- multi-functional application options
- low power consumption
- multi-standard
- fully potted housing for easy outside mounting

### **Supported technologies :**

**The shown transponder types just represent a selection of the compatible types !**

- LEGIC RF : Legic Prime; LEGIC Advant
- ISO 14443A+B, up to 424 kb/s : Mifare DESFire; NXP SmartMX; Infineon SLE
- ISO 15693 : EM4035; Tag-It HFI; Infineon SRF55VxxP; ISO18000-3 mode 1
- ISO 18092/NFC (passive mode, initiator, selected tag types)
- HID iClass (ISO15693 UID only)
- Sony Felica (ISO18092)
- Inside Contactless (UID only)

## Technical specifications MINI\_FLEX reader :

- Dimensions :
  - 135 x 49 x 20 mm
  - PCB only (no housing) : 131 x 45 x 16 mm
- Interfaces available :
  - RS232
  - serial TTL-level
  - RS485
  - Wiegand
  - Clock/Data
  - USB 2.0 (keyboard emulation mode)
  - Transparent mode ( virtual COM )
- Read range : up to 80 mm (depending on transponder type, antenna and environmental conditions)
- Integrated Antenna
- Power supply : 5 Vdc or 12 Vdc
- Duplicate read control
- Integrated buzzer and 2 LED's for status indication
- Temperature range : -20°C to + 80°C
- Housing : fully potted, ABS shockproof
- Protection IP65 depending on mounting method
- Connection via 1 m long cable