

13.56 MHz multi-technology RFID reader



The new multi-functional and multi-technology RFID reader **MCR_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 **MCR_Flex** is developed for easy mounting over a 55mm switchbox or for surface mounting, using the extra supplied mounting frame.

A wide selection of software programs and interfaces allows this reader to be used in all kind of applications.

Furthermore, the reader is also available with integrated keypad (**MCR/K_Flex**)

Optionally, these readers can also be supplied with integrated relay.

Some of the highlights :

- easy mounting, both in- as outdoor
- best price/quality ratio
- multi-functional application options
- low power consumption
- multi-standard
- design housing with additional mounting frame for easy 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 MCR_FLEX and MCR/K_Flex reader :

- Dimensions :
 - With housing : 80 x 80 x 18 mm
 - With housing complete with mounting frame : 80 x 80 x 34 mm
 - PCB only : 76 x 76 x 10 mm
- Interfaces available :
 - RS232
 - serial TTL-level
 - Wiegand
 - Transparent mode (virtual COM)Optionally (on request only)
 - RS485
 - USB 2.0
 - Clock & Data
- Inputs / outputs :
 - 3 opto-isolated digital inputs
 - 2 open-collector digital outputs
 - Optional : 1 relay NO/NC
- Read range : up to 100 mm (depending on transponder type, antenna and environmental conditions)
- Integrated Antenna
- Power supply : 9 to 24 V DC
- Duplicate read control
- Integrated buzzer and 3 LED's for status indication
- MCR/K_Flex with integrated keypad
- Temperature range : -20°C to + 60°C
- Housing : fully potted, ABS shockproof (black or white colour)
- Protection IP65 depending on mounting method