

KRD13Mv2

Small size for a high flexibility and integration



- > Small size for an easy integration
- > Different reading modes: online and offline
- > Several finishes: OEM, desktop, wall
- > Includes relay, beeper, leds or terminal, depending on models
- > 2 years of warranty



Small size for a high flexibility and integration

Advantages of Kimaldi Electronics

Kimaldi Electronics design, manufactures and distributes high quality products with a competitive price for person identification, access control, time&attendance control, production control and person traceability.

Experience and *Know-how* obtained in I+D and manufacturing allow offering a high knowledge to our customers and advise them about the best solution to its needs.

For that reasons, our customers take profit of the following advantages:

- We offer a personal treatment and commitment with customers.
- Wide range of products, high quality and competitive price.
- We are experts in giving solutions, our customers obtain our technical assessment in pre and post sells; helping to choose which is the best technology and the most accurate product to the needs of each project.
- We can modify product range, both we manufacture and the ones we distribute, in order to arrange them to each project needs.

Description

KRD13Mv2 is a proximity 13.56 MHz card reader, ISO 14443-A certified, conceived for Mifare cards reading and writing.

Communication with HOST is done by RS-232, TTL or USB, depending on the model.

KRD13Mv2 RFID Mifare reader offers a high flexibility both finishing and working modes, allowing high integration in different surrounds and also in other electrical devices.

System features

>Different working modes:

- **Online working:** Real time mode controlled by PC. Communication is established by host and card through proximity Mifare reader (mode controlled by commands).
- **Automatic working:** The reader is configured to manage card or Mifare tag in an autonomous way. There're two options:
 - *UID reading mode.* Data are sent by the RS-232 interface or by Clock&Data when the card is placed near the reader.
 - *Data reading mode.* Proximity reader logs in and then reads the card block in an autonomous way.

>Several sort of finishes to facilitate integration:

- **Integration (OEM):** With RS-232 or TTL connection. Very easy integration, it fits in a universal flush mounting connection box.
- **Desktop finish:** With USB connection.
- **Desktop finish:** With RS-232 connection.
- **Wall finish:** With RS-232 connection.

>Different finishes include relay, leds, beeper or terminal, depending on the model.

>Possibility of modifications for projects (minimum required units).

- Autonomous access control version
- Compatible with multi-ISO Core readers

Typical applications

- >Ideal for integration.
- >Ideal for access control applications.
- >Prepaid card.
- >Ticketing for events and public transport.
- >Logistics and supplies management.
- >Authentication.
- >Production equipments.

Technical features

Number of relays	1 relay.
Digital input	1 digital input.
Ports	Depending on model.
RS-232	9600, 19200, 38400 bps Integrated on board.
USB	Only desktop model.
Programming	ASCII commands.
Power supply	5V – 250mA.
Outputs:	TTL for control 3 leds and 1 beeper.
Frequency	13.56 MHz.
Reading range	Up to 5 cm. Depending on tag model.
Rule	ISO 14443 A.
Operating temperature	from -20°C to 80°C.
Dimensions desktop case:	80 x 95 x 25 mm.
Weight desktop case:	171 gr. (aprox)
Electronic dimensions:	65 x 67 x 15 mm.
Electronic weight:	19 gr. (aprox)

