

AC-CRD-01

125KHz Proximity Read-Only Card

This is a credit-card sized credential with RFID electronics built inside the card, including an integrated circuit and an antenna inside that can be printed for human-readable information using standard ISO card printers, which can be machine read using very low power wireless communications. Having no power of its own, it can be read by card readers when it passes through the electromagnetic field produced in the proximity of the reader. The range depends on the antenna and field generated by the reader, so the card will have different read-ranges.

General Description

AC-CRD-01 Proximity Read-Only Card offers universal compatibility with Rosslare or other proximity readers.

The card includes an embedded antenna, and an RFID integrated circuit including a printed number on the face of the card enabling contactless reading by readers.

The credit card sized card conforms to the ISO-Standard size enabling surface printing with conventional ISO compatible Card printers.

This card is durable with IP-68 and can be fully submerged, all the electronics is sealed inside.



Main Features

- **Reliable and Interference free** – subjects carrying the card will not feel any interference when passing other electromagnetic objects
- **Strong, Flexible and resistant to breaking** – sturdy and robust, the card can even get wet and continue to function
- **Photo ID Compatible** – print directly adding an image or thermal transfer print
- **Read-Only** – printed number on the face of the card enables contactless reading by readers
- **Pocket Size** – enables users to comfortably carry it around with them
- **Security** – is known for its infinite number of reads
- **Easily Identifiable** –when the external card number is provided to system administration

Print Availability

- Printed Wiegand format ID and site code
- Printed Wiegand and Clock & Data



AC-CRD-01 ISO/IEC 10536 Standard 125KHz Proximity Read-Only Card



GENERAL SPECIFICATION	
• Type:	Contactless passive
• Materials:	PVC
• IC Chip:	EM4102/GK4001
• ISO Standard:	ISO/IEC 10536
• Reading distance:	Within 20cm (dependent on antenna geometry)
• Operating Frequency:	100-150Khz
• Operating Temperature:	-20°C to +50°C (-4°F to 122°F)
• Storage Temperature:	-20°C to +50°C (-4°F to 122°F)
• Humidity:	Up to 90% (non-condensing)
• Surface Finish:	Gloss / Matt
• Antenna:	Copper coil

SIZE AND WEIGHT CHARACTERISTICS	
• Dimensions:	85.6mm x 54mm x 0.76mm (3.37" x 2.13" x 0.03")
• Weight:	6 gram (0.212 Once)

Dual Application Product



Additional Information

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