

AT-R14

Clamshell 10536 Standard 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

The AT-R14 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

SPECIFICATIONS

GENERAL SPECIFICATIONS

■ Type	Contactless passive
■ Materials	ABS
■ IC Chip	EM4102
■ ISO Standard	ISO/IEC 10536
■ Reading distance	Within 20cm (dependent on Reader's output power and antenna geometry)
■ Operating Frequency	125 KHz, ASK Modulation
■ Operating Temperature	-40°C to +70°C (-40°F to 158°F)
■ Storage Temperature	-40°C to +70°C (-40°F to 158°F)
■ Humidity	Up to 90% (non-condensing)
■ Surface Finish	Gloss / Matt
■ Antenna	Copper coil

PHYSICAL CHARACTERISTICS

■ Dimensions	85.6 x 54 x 1.84 mm (3.37 x 2.13 x 0.08 inch)
■ Weight	9.5 g (0.335 Oz)

DUAL APPLICATION PRODUCT AT-R14 Reader is compatible with standard Access Controller Readers

PRODUCT WARRANTY 1-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures high-quality security products since 1980. The company's three main lines: Access Control, Intrusion Detection and Guard Patrol, together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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