

## AT-R11

### ISO 125 KHz Proximity Read-Only Card

Rosslare's unique AT-R11 is a sophisticated credit-card sized ISO card, incorporating a built-in RFID semiconductor and antenna. This PVC card possesses a Card Serial Number (CSN) for quick and easy reading without direct contact, ideal for Access Control applications. The AT-R11 operates with EM card readers, with an operating frequency of 125 kHz and a read range of up to 80 mm (3.2 in), depending on antenna geography. When used with Rosslare's AY-Z12, the AT-R11's read range increases to approximately 65 cm (25.6 in).

The AT-R11 is ISO 10536 compliant and fits all standard card printers.

### General Description

The AT-R11 with Wiegand 26-Bit output format uses electromagnetic induction technology. It uses the energy it obtains by passing through the electromagnetic field produced in the proximity of an EM card reader.

Its ISO standard size enables surface printing with all ISO compatible card printers.

A semiconductor chip in each card houses a unique ID or CSN, which is printed on one of the faces of each AT-R11.

The AT-R11 is crafted to the highest manufacturing standards using of the finest PVC materials under Rosslare's ISO 9001:2000 certified quality standards.



### Main Features

- Proximity passive 125 kHz RFID card with a unique CSN
- High strength design, made from durable PVC material
- Read range up to 80 mm (3.2 in), depending on antenna
- Meets ISO/IEC 10536 standard
- Glossy or matt surface finish
- Copper coil tuned antenna
- Compatible with a very wide range of EM readers
- Meets stringent quality assurance measures and uniform construction requirements

### PROFESSIONAL GRADE FEATURES

- Chip Type: H or EM 4102 (125KHZ, 64-Bit, Read Only)
- Clock and data printing version option
- Private label option
- Meets WEEE and RoHS specifications
- Suitable for:
  - Door access control
  - Burglar prevention
  - Patrol management
  - Personal identification
  - Car parking control
  - Member club management
  - Time and attendance management



## Product Specifications

<b>TECHNICAL SPECIFICATIONS</b>	
• IC Chip	EM4102/GK4001 (125KHz, 64bit, R/O)
<b>OPERATIONAL SPECIFICATIONS</b>	
• Max. proximity card range	80mm (3.2 in)
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
• Operating environment	Suitable for indoor and outdoor use (meets IP-65)
• Operating temperature	-20° C to 50° C (-4° F to 122° F)
• Storage temperature	-20° C to 50° C (-4° F to 122° F)
• Operating humidity	0 to 90% (IP-65 Ingress Protection rating)
<b>PHYSICAL SPECIFICATIONS</b>	
• Dimensions	Length: 85.6 ± 0.12 mm (3.374 in) Width: 53.98 ± .05 mm (2.088 in) Depth: 0.76 ± .08mm (0.033 in)
• Weight	5.8 g (0.20 oz.)
• Type	Contactless passive
• Material	PVC (gloss or matt finish)

For best performance, we recommend using Rosslare certified products and accessories.

## System Components

The AT-R11 ISO Proximity card is compatible with Rosslare's Access control proximity readers as well as with many third party readers.



## Additional Information

The AT-R11 is covered by Rosslare's 1-Year Limited Product Warranty.

For sales information or product documentation, please visit our website:  
<http://www.rosslaresecurity.com>.



LISTED UL-294 Listed for Access Control System Units



CFR47 Part 15b

