



ImproX RRA

Product Specification Catalogue

The **ImproX (RRA) 125 kHz Registration Reader Antenna** is a compact, 125 kHz Tag Reader. The ImproX RRA includes a single tone Buzzer, and a bi-coloured Red or Green Status LED. You can set the functions of the Buzzer and Status LED to suit the needs of your application.

The RRA is designed for use with the ImproX RS or ImproX RH Registration Interfaces in the IXP220, IXP300 and IXP400 Access Control Systems.

The ImproX RRA is intended for indoor use only. The electronic components are housed in a Natural, Anodised, Aluminium extruded Cabinet.

Key Features

- A bi-coloured Red or Green Status LED.
- A single tone Buzzer, you can adjust the Buzzer volume to any one of these four levels (off, low, medium, high).
- Read Tag capability for various Tag types: Slim Tags, Omega Tags, Philips HITAG™ 1 and Philips HITAG™ 2.
- Reads HID 125 kHz Tags.

NOTE: *HID is a registered trademark of HID Global Corporation (an ASSA ABLOY Group Brand).*

- Operates at a frequency of 125 kHz.

Reading Range (Tag)

Tag Type	Typical Range (Minimum) (mm)	Typical Range (Minimum) (in)
ISO Credit Card (Slim)	Up to 20	Up to 0.80
ISO Credit Card (Omega)	Up to 20	Up to 0.80
Philips HITAG™ 1	Up to 20	Up to 0.80
Philips HITAG™ 2	Up to 20	Up to 0.80
HID 125 kHz Tags	Up to 20	Up to 0.80

NOTE: *HID is a registered trademark of HID Global Corporation (an ASSA ABLOY Group Brand).*

ImproX (RRA)

125 kHz Registration Antenna Reader

XRR901-1-0-GB-XX

Physical Specifications

Length	: 97 mm (3.81 in).
Width	: 61.40 mm (2.41 in).
Height	: 68.30 mm (2.68 in).
Approximate Weight	: 199 g (7.01 oz).
Cabinet Material	: Aluminium.
Colour	: Natural, Anodised.

Environmental Specifications

Operating Temperature	: -25°C to +60°C (-13°F to +140°F).
Storage Temperature	: -40°C to +80°C (-40°F to +176°F).
Humidity Range	: 0 to 95% relative humidity at +40°C (+104°F) non-condensing.

Approvals

CE Approval	: CISPR22, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6 and IEC61000-4-8.
FCC Approval	: Yes.
Dust & Splash Resistance	: The ImproX RRA is designed to work in an indoor environment similar to IP42. The ImproX RRA is, therefore, not sealed against water.
Drop Endurance	: 2 m (6.56 ft) drop (in packaging).

User Interfaces

Buzzer

Tone	: Four volume, single tone (Software may support single tone only).
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Registration Reader

Status LED	: Bi-coloured Red or Green.
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Related Information

For extra information relating to this product refer to the:

- ImproX RRA Hardware Installation Manual (XRR303-0-0-GB-XX).

Ordering Information

Order the ImproX (RRA) 125 kHz Registration Antenna Reader using the following Part Number:

- XRR901-1-0-GB-XX.

Warranty Details

This product conforms to our Warranty details on www.impro.net.



Figure 1: ImproX RRA System Overview

This Product Specification Catalogue applies to the ImproX (RRA) 125 kHz Registration Reader Antenna, XRR901-1-0-GB-02.
 (The last two digits of the Impro stock code point to the issue status of the document or product).

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