



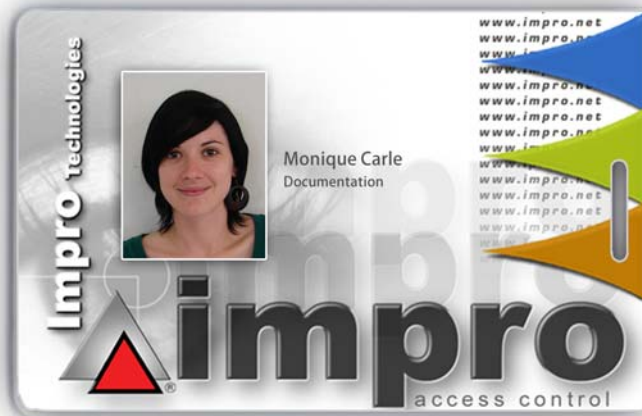
impro®

RFID Tags

Product Specifications Catalogue

[www.impro.net](http://www.impro.net)

## ISO Credit Card Tags – Print Quality



## Overview

Impro provide a wide range of high-quality RFID tags for use with their range of access control systems. These tags are manufactured to international standards, providing long and trouble-free operation in the field.

The Impro ISO Print Quality Credit Card Tag, is manufactured using fully automated direct bonding technology, resulting in a high quality, first class card, with an excellent surface for superior printing results.

Optional features are a magnetic stripe and/or a clip slot.

The card has dimensions and tolerances that comply with the ISO 7816-1 type ID-11 standard. The cards are subjected to comprehensive qualification testing exceeding ISO requirements.

This is a flexible ISO standard credit card tag designed to suit most 125 kHz proximity applications.

This is an Impro Omega Tag; the term 'Omega' signifies that the tag header code is 30-7.

Impro Technologies reserves the right to change any information or data in this specification, or the specifications of the product itself, without prior notification. The distribution of this document is not controlled. Any changes or additions to the product by the customer are the responsibility of the customer.



www.impro.net

Part Number: TOC911-1-0-NN-XX  
 TOC902-1-0-NN-XX  
 TOC903-1-0-NN-XX

# Specifications

## Physical

<b>Dimensions</b>	
Length	: 85.60 mm (3.37 in) ± 0.12 mm (0.005 in).
Width	: 53.98 mm (2.11 in) ± 0.05 mm (0.002 in).
Thickness	: 0.76 mm (0.03 in) ± 0.04 mm (0.002 in).
<b>Approximate Weight</b>	: 2 g (0.07 oz).
<b>Material</b>	: PVC.
<b>Colour</b>	: White/Glossy White.
<b>Slots</b>	: Optional clip slot, either portrait or landscape.
<b>Magnetic Stripe</b>	: Optional HICO 2750 Oe magnetic stripe in the ISO position.

## Environmental

<b>Temperature</b>	
Operating	: -25°C to +65°C (-13°F to +149°F).
Storage	: -25°C to +65°C (-13°F to +149°F).
<b>Stress Endurance</b>	: The card is designed to endure common stresses found in use with access control and time and attendance systems.

## Electrical

<b>Operating Frequency</b>	: 125 kHz ± 6 kHz.
<b>IC Type</b>	: UNIQUE 64-bit ASK Manchester
<b>Encoding</b>	: 64-bit ASK Manchester.
<b>Reader Interface</b>	: Read-only.

## Compatibility

These cards are compatible with all current Impro 125 kHz IXP access control systems.

## Printing

Both sides are fully printable using offset, thermo-transfer and dye sublimation printing.

## Standards

Dimensions – ISO 7816-1 type ID-11.

## Warranty

Three years.

## Product Codes

TOC911-1-0-NN-XX	:	ISO Card, Print Quality, no slot, no magnetic stripe. (Full description: Tag, ISO Credit Card, 86 mm x 54 mm x 0.75 mm, White, Manchester, 125 kHz, Omega, Code 30-7, "Print Quality").
TOC902-1-0-NN-XX	:	ISO Card, Print Quality, no slot, (Magnetic stripe Tag, ISO Credit Card, 86 mm x 54 mm x 0.75 mm, White, Unslotted, HiCo Mag Stripe, Manchester, 125kHz, Read Only, Omega, Code 30-7, "Print Quality").
TOC903-1-0-NN-XX	:	ISO Card, Print Quality, slot, no magnetic stripe. (Tag, ISO Credit Card, 86mm x 54mm x 0.75mm, White, Slotted, HiCo Mag Stripe, Manchester, 125kHz, Read Only, Omega, Code 30-7, "Print Quality").

This Product Specification Catalogue applies to the ISO Credit Cards listed under Card Options (The last two digits of the Impro stock code point to the issue status of the product).			
TOC350-0-0-GB-00	Issue 01	August 2008	Impro Tags\Product Specification Catalogue\LATEST ISSUE\iso cred card print-psc-en-01.doc