# SMARTRAC
## connect things!

# UHF Inlays and Tags

## Product Range

With a wide variety of high performance IC platforms, SMARTRAC's UHF tags and inlays offer leading performance and memory options. Each product has a unique TID and a broadband RFID antenna design that enables end-users to reach and sustain consistently high levels of performance in all UHF frequency regions globally with the same tag. This represents critical competitive and logistical advantages for any fast-moving consumer goods company with manufacturing, distribution and customers located in different parts of the world. The same RFID tag can be used by the manufacturer, the logistics service provider and the retailer, to track and identify products accurately and cost-efficiently throughout the supply chain at item level.

SMARTRAC's operations are certified to the ISO 9001:2008 Quality Management System standards and the ISO 14001:2004 Environmental Management System standards.

## Overview

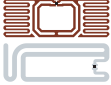**Operating Frequency**
860 - 960 MHz

## International Standards

▶ ISO 18000-6C
  EPC Class 1 Gen 2

## Typical End-user Areas

▶ Asset Tracking
▶ Baggage Handling
▶ Brand Protection
▶ Consumable Authentication
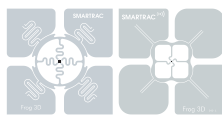▶ Industrial Applications
▶ Inventory Management
▶ Logistics
▶ Retail Item-level Application
▶ Healthcare
▶ Supply Chain Management
▶ ... and many more.

# UHF Inlays and Tags

Product Range (selection)

| Product | Product Name | IC | Antenna & Die-cut Size |
|---|---|---|---|
| | Trap | Impinj Monza 4 & 5 family | 8 x 22 mm / 0.3 x 0.9"<br>11 x 25 mm / 0.4 x 1.0" |
| | Ram | Impinj Monza 5 family | 16 x 16 mm / 0.63 x 0.63"<br>19 x 19 mm / 0.75 x 0.75" |
| | MiniWeb | NXP U-Code family | 40 x 18 mm / 1.6 x 0.7''<br>43 x 21 mm / 1.7 x 0.8'' |
| | Web Lite | Impinj Monza 5 family | 46 x 15 mm / 1.81 x 0.59"<br>49 x 18 mm / 1.93 x 0.71" |
| | Web | Impinj Monza 4 & 5 family<br>NXP U-Code family | 30 x 50 mm / 1.2 x 2.0"<br>34 x 54 mm / 1.3 x 2.1" |
| | Belt | Impinj Monza 5 family<br><br>NXP U-Code family | 70 x 10 mm / 2.76 x 0.39"<br>73 x 13 mm / 2.87 x 0.51"<br>70 x 14 mm / 2.8 x 0.6"<br>73 x 17 mm / 2.9 x 0.7" |
| | Viper | Impinj Monza 4 family | 110 x 6 mm / 4.3 x 0.2''<br>113 x 9 mm / 4.4 x 0.4'' |
| | Frog 3D | Impinj Monza 4 family | 50 x 50 or 68 x 68 mm /<br>1.97 x 1.97 or 2.68 x 2.68"<br>53 x 53 or 76 x 76 mm /<br>2.09 x 2.09 or 3.00 x 3.00" |
| | ShortDipole | Impinj Monza 4 & 5 family<br>NXP U-Code family | 93 x 11 mm / 3.7 x 0.4"<br>97 x 15 mm / 3.8 x 0.6" |
| | DogBone | Impinj Monza 4 family<br>NXP U-Code family | 88 x 24 mm / 3.5 x 0.9"<br>97 x 27 mm / 3.8 x 1.1 |

### IC Total Memories

Additional memory, protocol and product configurations are available upon request.
Note: Pictures are for illustration only and are not to scale.

▶ Impinj Monza 4D 128 bit EPC + 32 bit
▶ Impinj Monza 4E 496 bit EPC + 128 bit
▶ Impinj Monza 4QT 128 bit EPC + 512 bit
▶ Impinj Monza 5 128 bit EPC + 32 bit
▶ NXP U-Code G2iL 128 bit EPC
▶ NXP U-Code G2iM 256 bit EPC + 512 bit
▶ NXP U-Code7 128-bit EPC

**SMARTRAC N.V. · Strawinskylaan 851 · 1077 XX Amsterdam · The Netherlands**
Phone: +31 20 30 50 150 · Fax: +31 20 30 50 155 · info@smartrac-group.com

**Asia Pacific**
sales.apac@smartrac-group.com

**Europe, Middle East and Africa**
sales.emea@smartrac-group.com

**Latin America**
sales.latam@smartrac-group.com

**North America**
sales.americas@smartrac-group.com

01/2015 EN I&T 0004