



## 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









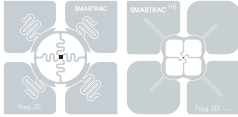


- ▶ ISO 18000-6C
- ▶ EPC Class 1 Gen 2

##### Typical End-user Areas

- ▶ Asset Tracking
- ▶ Automotive Parts
- ▶ Baggage Handling
- ▶ Brand Protection
- ▶ Consumable Authentication
- ▶ Industrial Applications
- ▶ Inventory Management
- ▶ Industrial Steel Pallets
- ▶ Logistics
- ▶ Retail Item-level Application
- ▶ Healthcare
- ▶ Supply Chain Management
- ▶ Water & Paint Pails
- ▶ ... 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" 11 x 25 mm / 0.4 x 1.0"
	Accessory	Impinj Monza R6 family	30 x 15 mm / 1.2 x 0.6" 33 x 18 mm / 1.3 x 0.7"
	Bling	Impinj Monza R6 family	22 x 12 mm / 0.9 x 0.5" 25 x 15 mm / 1.0 x 0.6"
	MiniWeb	NXP U-Code family Impinj Monza R6 family	40 x 18 mm / 1.6 x 0.7" 43 x 21 mm / 1.7 x 0.8" 42 x 16 mm / 1.7 x 0.6" 43 x 21 mm / 1.7 x 0.8"
	Web Lite	Impinj Monza 5 family	46 x 15 mm / 1.81 x 0.59" 49 x 18 mm / 1.93 x 0.71"
	Web	Impinj Monza 4 & 5 family NXP U-Code family	30 x 50 mm / 1.2 x 2.0" 34 x 54 mm / 1.3 x 2.1"
	Belt	Impinj Monza R6 family NXP U-Code family	70 x 10 mm / 2.76 x 0.39" 73 x 13 mm / 2.87 x 0.51" 70 x 14 mm / 2.8 x 0.6" 73 x 17 mm / 2.9 x 0.7"
	On Metal Tag	Impinj Monza 4QT ETSI & FCC band	95 x 40 mm / 3.74 x 1.58 " 98 x 43 mm / 3.86 x 1.69 "
	Frog 3D	Impinj Monza 4 family	50 x 50 or 68 x 68 mm / 1.97 x 1.97 or 2.68 x 2.68" 53 x 53 or 76 x 76 mm / 2.09 x 2.09 or 3.00 x 3.00"
	ShortDipole	Impinj Monza 4, 5, R6 family NXP U-Code family	93 x 11 mm / 3.7 x 0.4" 97 x 15 mm / 3.8 x 0.6"
	DogBone	Impinj Monza 4 & R6 family NXP U-Code family	94 x 24 mm / 3.7 x 0.9" 97 x 27 mm / 3.8 x 1.1"

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

### IC Total Memories

- ▶ 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
- ▶ Impinj Monza R6 96 bit EPC
- ▶ Impinj Monza R6-P 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

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