SMARTRAC

THE SMARTRAC PRODUCT RANGE IN UHF RFID TECHNOLOGY.

TYPICAL END-USE AREAS:

- Supply Chain Management
- Logistics
- Baggage Handling
- Industrial & Manufacturing
- Brand Protection
- Inventory Management
- Retail Item-level Applications
- Asset Tracking
- Consumables Authentication
- Pharmaceuticals and Healthcare

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.

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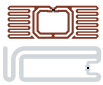
	Product Name	Frequency	Protocol	IC	Antenna & Die-cut Size
	**Trap**	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 & 5 family	8 x 22 mm / 0.3 x 0.9” 11 x 25 mm / 0.4 x 1.0”
	**Ram**	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 5 family	16 x 16 mm / 0.63 x 0.63” 19 x 19 mm / 0.75 x 0.75”
	MiniWeb	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	NXP U-Code family	40 x 18 mm / 1.6 x 0.7” 43 x 21 mm / 1.7 x 0.8”
	Web Lite	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 5 family	46 x 15 mm / 1.81 x 0.59” 49 x 18 mm / 1.93 x 0.71”
	Web	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	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	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 5 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”
	Viper	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 family	110 x 6 mm / 4.3 x 0.2” 113 x 9 mm / 4.4 x 0.4”
	**Stripe**	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 family	95 x 4 mm / 3.74 x 0.16” 124 x 7 mm / 4.88 x 0.28”
	ShortDipole	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 & 5 family NXP U-Code family	93 x 11 mm / 3.7 x 0.4” 97 x 15 mm / 3.8 x 0.6”
	**DogBone**	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 family NXP U-Code family	88 x 24 mm / 3.5 x 0.9” 97 x 27 mm / 3.8 x 1.1”
	Frog 3D	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	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”
	D-41	860 - 960 MHz	ISO 18000-6C EPC Class 1 Gen 2	Impinj Monza 4 family	80 x 40 mm / 3.15 x 1.58” 92 x 51 mm / 3.61 x 2.00”

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
- 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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