

# Impinj Monza R6 Series RAIN RFID Tag Chips

Meets industry demands by delivering high read performance and data integrity



Impinj Monza R6 RAIN RFID tag chips provide reliable performance in nearly any RAIN RFID application, from retail to healthcare, hospitality to supply chain and logistics. These chips introduced three patented features to improve performance and tag reliability: AutoTune adaptive RF tuning, Integra memory diagnostics, and Enduro bonding pads.



*Impinj Monza R6 Series RAIN RFID Tag Chips*

## Impinj Monza R6 tag chips provide endless possibility

Impinj Monza R6 series chips are available in two different versions to support applications from inventory management to airline baggage tracking. Create innovative ways of interacting with consumers using Impinj Monza R6 series chips.

## Impinj Monza R6 tag chips enhance customer interaction

The Impinj MR6 chip helps you create a differentiated shopping experience. Retailers are finding innovative ways of delighting shoppers using Impinj MR6. Start tagging items for inventory management and then enable smart fitting rooms, automated checkout, and interactive product displays.

## Impinj Monza R6-P protects your brand, inventory, and customers

With added user memory, password protection, and range reduction capabilities, Impinj MR6-P tag chips enable loss prevention, brand protection, and enhanced privacy for retailers, brands, and consumers. Includes flexible memory options for 96 / 128-bit EPC and 32 / 64-bit user memory, plus serialized Tag ID.

## Why use Impinj MR6 series tag chips

Impinj MR6 provide reliable performance around the world. These chips are chosen for diverse applications that need:

**Trusted performance:** field-proven with billions of chips deployed

**Versatility:** supports diverse use cases with standard memory requirements—everything from animal tagging to race timing

**Performance-enhancing features:** patented features AutoTune, Integra, and Enduro optimize performance and enhance reliability

**Tag data protection options:** limit access via short range capability and Access/Kill commands

## Connect everything with high-performing tag chip features

### AutoTune adaptive RF tuning

Automatically adjusts performance to optimize readability for environment and application

### TagFocus read redundancy prevention

Unique algorithm prevents multiple reads of the same chip so that hard-to-read tags can be read more accurately within a complex population of tags

### Enduro bonding pad design



Patented design delivers high-quality, robust tags for improved tag yield and reliability, and lower CO2 emissions

### FastID rapid reading

Reduce inventory time by simplifying the steps needed to identify a tag when using a TID-based numbering system

### Integra memory diagnostics

Suite of diagnostics ensures consistently accurate data delivery

Impinj Monza R6 Tag Chip Series			
		Monza R6	Monza R6-P
SPECIFICATIONS	Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant	
	EPC memory	96 bits	96 / 128 bits
	User memory	None	64 / 32 bits
	Read sensitivity (dBm)	-22	-22
	Write sensitivity (dBm)	-17	-17
	Die size (µm)	464.1 x 400	464.1 x 442
FEATURES	Impinj AutoTune™ automatic RF tuning	Standard	Standard
	Impinj Integra™ memory diagnostics	Standard	Standard
	Impinj Enduro™ robust bonding construction	Copper plating	Copper plating
	Tag data protection features	None	Access/Kill Short-range mode
	Impinj TagFocus™ read redundancy prevention	✓	✓
	Impinj FastID™ high-speed reading	✓	✓

Impinj product performance is based on Impinj's modeling and test data, actual results may vary.

Ready to discuss how Impinj can help your business?

Contact us: [www.impinj.com](http://www.impinj.com)

Impinj (NASDAQ: PI) helps businesses and people analyze, optimize, and innovate by wirelessly connecting billions of everyday things—such as apparel, automobile parts, luggage, and shipments—to the Internet. The Impinj platform uses RAIN RFID to deliver timely data about these everyday things to business and consumer applications, enabling a boundless Internet of Things.