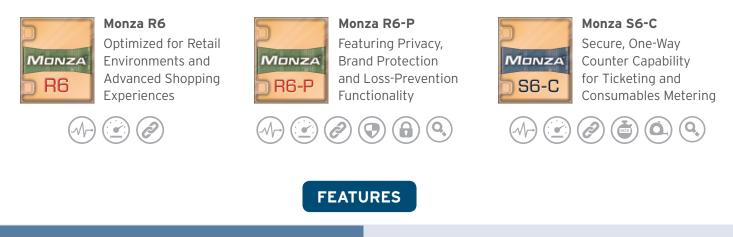


Monza[®] 6 Tag Chips High Performance. Data Integrity. Value.

RAIN RFID tags built with Impinj Monza 6 chips provide unmatched performance and data integrity for large-scale Item Intelligence[™] applications that require high-volume, high-performance, serial-numbered tags. They are ideal for item-level tagging for retail, healthcare, ticketing and other applications. All Monza 6 tag chips include revolutionary technologies including automatic performance adjustments, self-diagnostics and durable construction methods that improve tag quality and reliability while decreasing costs associated with tagging.



AutoTune[™] technology automatically adjust tag performance for best possible readability

Integra[™] technology

a suite of diagnostics which ensures

consistently accurate data delivery

that businesses can depend on

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Enduro™ technology delivers an improved method for constructing high quality, robust tags



Chip-based loss prevention quickly identify sold/not sold items without accessing a network or database



Chip-based brand protection authenticate items using open standards-based cryptographic



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Fail-safe, one-way counter includes simple methods to load and deduct usage counts (e.g. points, rides, dosages)



Range-reduction switch includes ability to limit read distance to ensure proximity during validation

Monza 6 Tag Chip Family Overview

Product Details	MONZA R6	MONZA R6-P	MONZA S6-C
EPC Memory (bits)	96 bits	128 / 96 bits	96 bits
User Memory (bits)	-	32 / 64 bits	32 bits
Read Sensitivity	-22.1 dBm	-22.1 dBm	-22.1 dBm
Write Sensitivity	-18.8 dBm	-17.3 dBm	-17.3 dBm
Die Size	465µm x 400µm	465µm x 442µm	465µm x 442µm
Memory Write Time	1.6ms for 32 bit write; up to 9,500* tags/min with ItemEncode™ software		
AutoTune™ Technology	V	V	 ✓
Integra™ Technology	V	V	V
Enduro™ Technology	V	V	V
TagFocus™ Mode	V	V	V
FastID™ Mode	V	V	 ✓
Monza Self-Serialization	V	V	 ✓
Enhanced Privacy	-	V	 ✓
Chip-based Loss Prevention	-	V	-
Chip-based Brand Protection	-	V	V
Access Password	-	V	v
Kill Password	-	V	v
Secure Counting Capability	-	-	V
Range-Reduction Switch	-	-	V
Form	Wafer		
Processing Flow	Enduro™ pads, ~109 µm, diced		
Air Interface Protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 Compliant		
Part Number	IPJ-W1700-K00	IPJ-W1710-K00	IPJ-W1720-K00

* Actual speeds are limited by encoding machine's mechanical and RF isolation capability.

