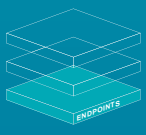
IMPINJ MONZA® 4i TAG CHIP

Smart Manufacturing through Enhanced Performance

RAIN RFID tags built with Impinj Monza 4i chips offer data logging capabilities to record information such as item maintenance, component status and environmental conditions, ensuring the historical record of the item is factual and true.

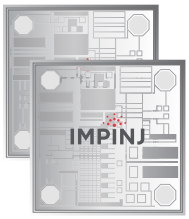
Ideal for component-level tagging in vehicle and production line manufacturing, Monza 4i tag chips are built with an extended EPC memory to track long serial numbers along with a large amount of user memory to chronicle the production process and components from raw material through final assembly.



TAG CHIPS ARE THE ENDPOINTS OF THE IMPINJ PLATFORM

MONZA 4i TAG CHIP FEATURES

- Extended User Memory
- Extended EPC Optimized for Automotive Logistics
- Production Line Monitoring
- Manufacturing Control Tracking



Monza 4 Tag Chip Family Overview

The Impinj Monza family of RAIN RFID tag chips create endpoints when attached to items, providing unique identifiers that allow access to the item's identity, location and authenticity. Monza 4 tag chips are specialty chips that provide application-specific features such as additional privacy, enhanced performance and flexible memory that are optimized for use in manufacturing and supply chain industries.

PRODUCT DETAILS	MONZA 4D	MONZA 4E	MONZA 4i	MONZA 4QT
Use Cases	Readable through challenging RF environments such as metal and liquids	Monitor long serial numbers without data logging	Track long serial numbers and log data such as component status	Protect item data through a portable, private database
EPC Memory (bits)	128	496	256	128
User Memory (bits)	32	128	480	512
Read Sensitivity (dBm)	-19.5	-19.5	-19.5	-19.5
Write Sensitivity (dBm)	-16.7	-16.7	-16.7	-16.7
Access Password	✔	✔	✔	✔
Kill Password	✔	✔	✔	✔
QT® Memory Technology	—	—	—	✔
True3D™ Dual Antenna Technology	✔	✔	✔	✔
TagFocus™ Mode	✔	✔	✔	✔
FastID™ Mode	✔	—	✔	✔
Self Serialization	✔	✔	✔	✔
Range-Reduction Mode	—	—	—	✔
Die Size	590 µm x 590 µm square			
Form Factor	Wafer	Wafer or Packaged	Wafer	Wafer or Packaged
Air Interface Protocol	RAIN RFID / ISO 18000–63 and EPCglobal Gen2v2 compliant			
Part Number	IPJ-W1513-E00	IPJ-W1510-E00	IPJ-W1535-E00	IPJ-W1512-E00

MONZA 4i USE CASES

Monitor Manufacturing Quality and Status
log quality checks for components in a production or assembly line

Logistics for Finished Vehicles
check the condition of car parts like gearboxes, bumpers, airbags, dashboards, etc. by scanning the final product

MONZA 4i SPECS

256 bits EPC Memory
track longer unique identifiers such as a VIN number

480 bits User Memory
log data such as production status and environmental changes

True3D Antenna Technology
features two fully independent antenna ports that enable high-performance, omni-directional tags

IMPINJ™