

Impinj Monza 4QT RAIN RFID Tag Chips

Specialty RAIN RFID tag chips



Impinj Monza 4QT tag chips are specialty RAIN RFID tag chips that provide application-specific features such as privacy, enhanced performance, and flexible memory that are optimized for use in manufacturing and supply chain industries.

Find the right fit for specialty applications

Impinj Monza 4QT tag chips are designed to meet the needs of complex use cases. Chips in this series provide options for large memory capacity, omnidirectional reading capability, and tag data protections.

Why use Impinj Monza 4QT tag chips

Impinj Monza 4QT tag chips are deployed in RAIN RFID solutions around the world. Choose these tag chips if you need:

More memory: meet use case requirements with larger memory capacity and multiple configuration options

Omnidirectional reading: tagged items can be oriented in any direction in the read zone

Tag data protection options: create private data profiles with Impinj QT technology or limit access via short-range capability and Access/Kill commands

Packaged tag options: embed RAIN RFID tags into electronic components or build ruggedized tag designs



*Impinj Monza 4QT
RAIN RFID Tag Chip*

Impinj Monza 4QT includes storage profiles for public and private data

Impinj M4QT RAIN RFID tag chips enable users to maintain a public and private data profile for confidential data storage and consumer privacy, coupled with large user memory. Assets requiring authentication, such as personnel IDs and pharmaceuticals, are more secure with Impinj M4QT tag chip's ability to store confidential data in a private profile while providing less sensitive data in a public profile. Extended user memory enables a portable, private database that travels with the tag and protects data confidentiality providing consumer privacy. IDs and pharmaceuticals, are more secure with Impinj M4QT tag chip's ability to store confidential data in a private profile while providing less sensitive data in a public profile. Extended user memory enables a portable, private database that travels with the tag and protects data confidentiality providing consumer privacy.

Impinj tag chip features for high performance RAIN RFID tags

FastID high-speed reading


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

True3D antenna technology

Two fully independent antenna ports enable high-performance, omnidirectional tags

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

| Impinj Monza 4 Tag Chips | |  Monza 4QT |
|--------------------------|---|---|
| SPECIFICATIONS | Air interface protocol | RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant |
| | EPC memory | 128 bits |
| | User memory | 512 bits |
| | Read sensitivity (dBm) | -19.5 |
| | Write sensitivity (dBm) | -16.7 |
| | Die size (µm) | 590 x 590 |
| FEATURES | Impinj TagFocus™ read redundancy prevention | ✓ |
| | Impinj FastID™ high-speed reading | ✓ |
| | Impinj True3D™ omni-directional reads | ✓ |
| | Tag data protection features | QT technology Access/Kill Short-range mode |
| | Packaged parts | ✓ |

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

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.