

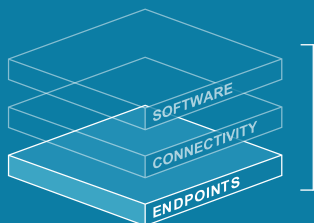
Monza X Dura RAIN RFID Endpoint ICs

Impinj Monza X Dura tag chips bring intelligent, embedded RAIN RFID to electronic devices for data logging, device configuration and upgrades, and IoT sensor applications.



A Conduit Between Devices and the Outside World

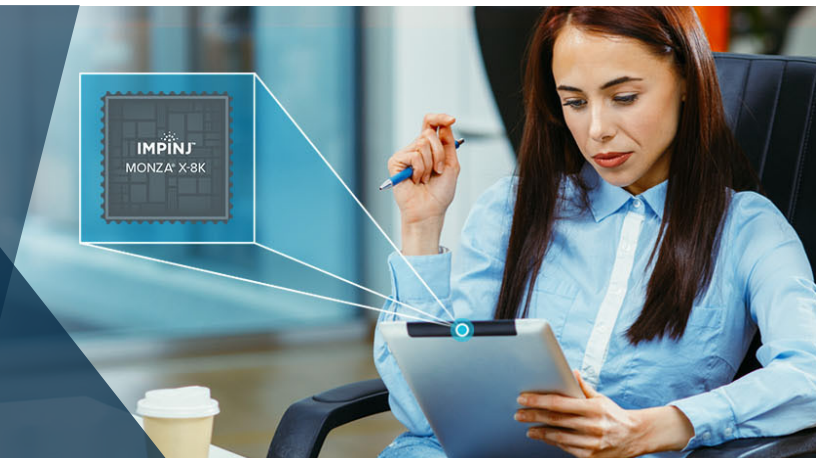
Embedded directly into an device's circuit board, Monza X Dura tag chips link to the device's processor via standard I2C bus, enabling the processor or a RAIN reader to read and write to chip memory even when the device is powered off.



*The Impinj Platform
includes Endpoints*

Key Features

- **Battery-Assisted Mode**
Boost read/write performance with battery assisted DC power
- **Write Wakeup Mode**
Features passive trigger to wake device from low power/standby state
- **Two Independent Antenna Ports**
Enables multiple configurations for far field and near field applications



Monza X Dura Benefits

Multimode Communication Device

Communicate with chip memory using RAIN RFID readers or standard I2C interface


Extended User Memory

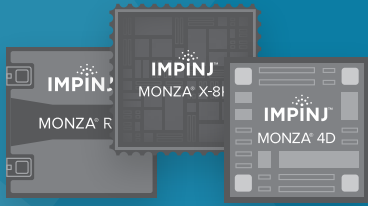
2 Kb and 8 Kb user memory options, accessible through RF and I2C interface

Secure Information

With QT memory technology, a private data profile enables confidential data storage

Use Cases

-  **Passive Device Management**
Upgrade, configure, or register a device without powering it on at any point in the supply chain
-  **Cold Chain Tracking**
Wirelessly retrieve logged data to analyze events like spoilage, leaks, temperature changes, and breakage in transit
-  **Intelligent Fleet Management**
Enable end-to-end fleet management, fuel efficiency tracking, inspections, maintenance and data logging



Monza Family Overview

With billions of tag chips sold, Impinj Monza endpoint ICs are the industry standard for RAIN RFID solutions for retail, healthcare and more. The Monza product family connects everyday items to the Internet and provides unique capabilities optimized for specific application needs.

Monza X-2K is no longer available for sale as of July 2020

Extended Features



Monza X-2K Dura



Monza X-8K Dura

Read sensitivity	19.1 dBm with single antenna port 26.1 dBm with DC input	
Write sensitivity	14.1 dBm with single antenna port 26.1 dBm with DC input	
User memory	2,176 bits	8,192 bits
EPC memory	128 bits	
TID memory	96 bits	
QT® memory security	✓	✓
True3D™ dual antenna technology	✓	✓
FastID™ high-speed read capability	✓	✓
Short-range mode	✓	✓
I2C interface	✓	✓
Dimensions	1.6 x 1.6 x 0.35 mm	2.0 x 2.0 x 0.35 mm
Part number	IPJ-P6001-Q2AT	IPJ-P6005-X2BT

Ready to discuss how Impinj can help your business?

[CONTACT US / WWW.IMPINJ.COM](https://www.impinj.com)

Impinj (NASDAQ: PI) wirelessly connects billions of everyday items such as apparel, medical supplies, and automobile parts to consumer and business applications such as inventory management, patient safety, and asset tracking. The Impinj platform uses RAIN RFID to deliver timely information about these items to the digital world, thereby enabling the Internet of Things.