

Impinj ItemEncode Software

for RAIN RFID Encoding



Impinj ItemEncode software boosts the speed and data quality of RAIN RFID encoding machines while lowering labor and operating costs.

Optimal performance for high-speed encoding machines

Optimized for the creation of high-speed encoding machines, Impinj ItemEncode software uses a pipelined configuration of Impinj Speedway readers to reliably write data to RAIN RFID tags at speeds up to 9,500 tags/min. Machines that utilize Impinj ItemEncode software optimize tag encoding yield by using a pipelined configuration of encoders which share operational information and intelligently recover encoding failures—without slowing down encoding speed. ItemEncode will track individual tags by their TID as they move through the production process, allowing all encoders to remain in sync with the encoding configuration for that particular tag.

Why use Impinj ItemEncode software

Impinj ItemEncode software delivers the performance needed for high-speed, serialized tag encoding.

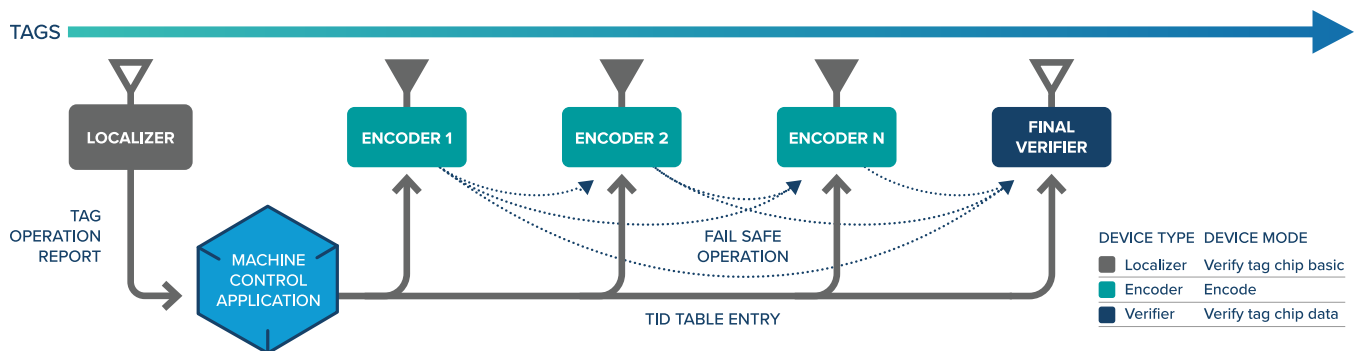
Fast tag fulfillment: enables a machine to encode up to 9,500 RAIN RFID tags per minute

Fail-safe encoding: allows encoder to verify data encoding and triggers actions on tags with encoding issues

Reduce operation cost: requires less labor, power and floor space than machines using alternative encoding solutions

ItemEncode Pipelined System

Machines that utilize Impinj ItemEncode software optimize tag encoding yield by using a pipelined configuration of encoders which share operational information and intelligently recover encoding failures—without slowing down encoding speed. ItemEncode will track individual tags by their TID as they move through the pipeline, allowing all encoders to remain in sync with the encoding configuration for that particular tag.



ItemEncode Enabled Machine Manufacturers

Choose a high-speed encoding machine with ItemEncode software to meet the growing demand for serialized RAIN RFID tags and deliver fast order turn-around times to retail customers.



BW Papersystems
WillPemcoBielomatik



Kirk-Rudy



Muehlbauer
 High Tech International

Data Management Schemes

Monza Self-Serialization

Encodes EPCs with the appropriate Monza Self Serialization formula

IT Based Serialization

Encodes tags based on user configured sequential list

Serial Number Range

Encodes EPCs with an auto-incrementing serial number (Supported number formats: Hexadecimal & Decimal)

User Configurable Encoding Options

EPC (Up to 496 bits)

PC Word

User Memory (Up to 512 bits)

Access Password

Kill Password

Lock Config

Tag Chips Supported

- Impinj M830
- Impinj M850
- Impinj M730
- Impinj M750
- Impinj M770
- Impinj M775
- Impinj M780
- Impinj M781
- Impinj Monza R6-P
- Impinj Monza R6
- Impinj Monza 5
- Impinj Monza 4D
- Impinj Monza 4E
- Impinj Monza 4i
- Impinj Monza 4QT
- Impinj Monza X-2K
- Impinj Monza X-8K
- NXP*
- Alien*
- em microelectronic*

*select models

REGIONS	FREQUENCY RANGE
USA	902 to 928 MHz
European Union	865 to 868 MHz
Brazil	902 to 907.5 and 915 to 928 MHz
China	920 to 925 MHz
Hong Kong	920 to 925MHz
Japan	916.7 to 920.9 MHz
Korea	917 to 920.8 MHz
Latin America	902 to 928 MHz
HOST API LANGUAGES	
C#	Java
	C++

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.