

The Impinj Authenticity Solution Engine Powers Product Authentication

Authentic RAIN RFID Tags



Add Secure Key

Impinj programs cryptographic key into the Impinj M775 tag chip.



Encode Tag

Impinj partners build tags with Impinj M775 tag chips. Product data is encoded and sent to the product cloud.



Upload Data

Authentication Cloud Services



Authenticate Tag

The Impinj Authentication Service checks the authenticity of the tag chip.

Authentication Response



Verify Item Data

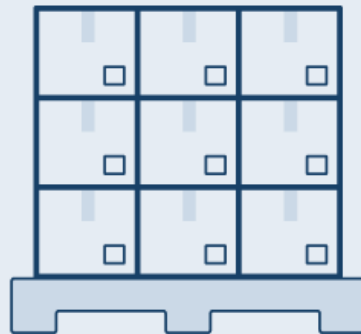
The product cloud provider checks item data and Impinj authentication response then sends the authentication result.

Authentication in the Supply Chain



Tag Item

Attach Impinj M775-based tags to items at manufacturer.



Authenticate Items

Use Impinj-based readers to gather item data and send authentication requests for one or many items.

Authentication Request

Authentication Result



Confirm Authenticity

Use authentication result to prevent counterfeits, protect brand value, and ensure safety.