

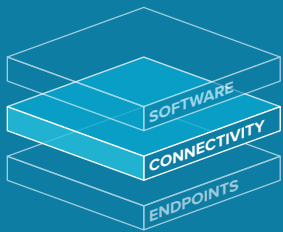
Threshold RAIN RFID Antenna

The Impinj Threshold antenna connects to an Impinj Speedway reader to provide wide zone coverage ideal for a road race course or other boundary or threshold crossing



Focused Read Range for Distinct Scenarios

As part of a custom solution built with a Speedway reader, Threshold antennas identify items as they pass over or under a threshold or boundary. Its high-capacity read range is designed to maximize intensity in highly-specific zones.



The Impinj Platform includes Connectivity Devices

Key Features

- **Planar Form-factor**
Bespoke design for boundary/threshold crossings
- **Curtain of Coverage**
Purpose-built to provide a curtain of coverage across thresholds
- **Frequency Range**
FCC and ETSI versions available

Threshold Benefits



Wide Field-of-view

Distributed linearly head-to-tail, the elongated design provides a consistent and continuous read zone




High-capacity Read Range

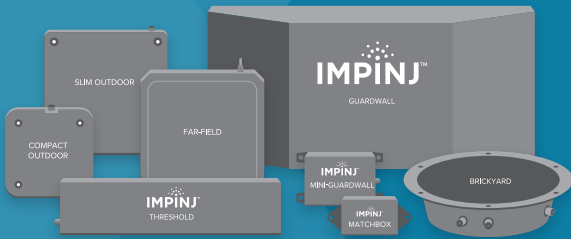
Fits readily onto fencing or other borders for maximum zone coverage across a boundary edge

Region-specific Operation

Optimized performance in FCC- and ETSI-supported regions

Use Cases

-  **Race Timing**
Deftly fitting into a narrow urethane road ramp, multiple Threshold antennas provide continuous coverage across a road race course
-  **Linen & Uniform Tracking**
Easily track returnable, reusable assets, like linens and uniforms, for reduced errors and increased efficiency
-  **Loss Prevention**
Uniquely identify each item you sell—enabling authentication, purchase history, and smart security applications



Antenna Family Overview

The Impinj family of antennas connect to Impinj Speedway readers and support custom solution development for retail, supply chain and logistics, healthcare, and many other industries. The antennas come in an assortment of sizes and enclosures to support proximity, specialized, and distance read zones.

Product Details	SPECIALIZED ANTENNAS		
	Threshold	Guardwall	Brickyard
Dimensions	46 x 9 x 2 cm	70 x 40 x 7.3 cm	29.5 x 6 cm (2.4m integrated cable)
Weight	1.6 lbs / .71 kgs	11 lbs / 5 kgs	2 lbs / .91 kgs
Connectors	SMA female (Requires accessory cable to connect to reader's RP-TNC connector)	2X SMA female (Requires accessory cable to connect to reader's RP-TNC connector)	Reverse polarized TNC male connector
Mounting options	Recommended to be recessed within a cable mat	Brackets sold separately	3 mounting holes for tabletop or surface mounting; 6 mounting holes for mounting under surface
IP rating	indoor and outdoor	IP 51 indoor use only	IP 51 indoor use only
Environment	Operating Temp: -25°C to 55°C (-13°F to 131°F) Humidity: 5% to 95% relative, non-condensing	Operating Temp: 0°C to 40°C (32°F to 104°F) Humidity: 5% to 95% relative, non-condensing	Operating Temp: -20°C to 55°C (-4°F to 131°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 5% to 95% relative, non-condensing
Frequency range	865-868 MHz 902-928 MHz bands	865-868 MHz 902-928 MHz bands	865-868 MHz 902-928 MHz 952-954 MHz bands (country-specific)
Polarization	Linear (parallel to short axis)	RHCP & LHCP	Near-field magnetic coupling
Far-field gain	5 dBi	6 dBi	6 dBi max
VSWR	ETSI: 1.5:1 FCC: 2:1	1.5:1	1.43:1
Impedance	50 ohms	50 ohms	50 ohms

Ready to discuss how Impinj can help your business?

[CONTACT US/WWW.IMPINJ.COM](http://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.