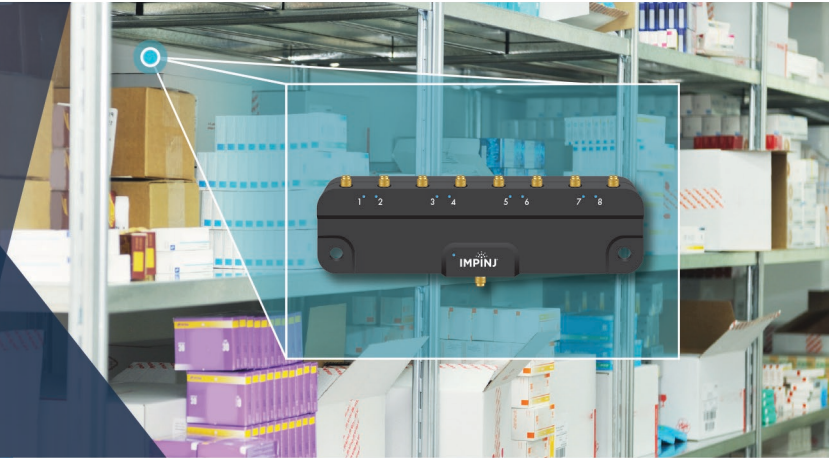


# IMPINJ<sup>®</sup>

## READER ACCESSORIES

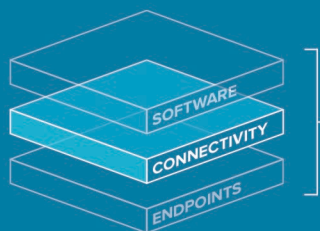
### Impinj R700 Antenna Hub

The Impinj R700 antenna hub expands the number of antennas that can connect to an Impinj R700 reader by allowing eight antennas to connect to one antenna port for a total of 32 antennas per reader.



### Cost Effective for IoT Solutions with Multiple Read Zones

The Impinj R700 antenna hub enables RAIN RFID solutions that require multiple read zones, such as tool tracking and smart shelves, to be cost-effective, scalable, and easy-to-deploy by expanding the number of read zones covered with a single reader.



*The Impinj Platform includes  
Connectivity Devices*

### Why use Impinj R700 Antenna Hub

#### Scale with Simplicity

Leverage robust, system-level feedback and eight output ports to connect up to 32 antennas to a single Impinj R700 RAIN RFID reader.

#### Deliver Solutions Cost-Effectively

Use fewer RAIN RFID readers and cables when providing solutions such as tool tracking, smart shelves, and inventory closets, that require many read zones.

#### Easily Deploy with Impinj R700 Readers

Speed time-to-solution with built-in integration with the Impinj R700 reader and simple mounting options.

## Key Features

#### ➤ Cable-Efficient Design

Lowers installation costs with only one cable to power the antenna hub, control active RF output, and carry the RAIN RFID signal

#### ➤ Eight Output Ports

Expands one reader antenna port to connect and control up to eight antennas—connects up to 32 antennas for the Impinj R700

#### ➤ Modern Developer Tools

Provides native support for the reader configuration REST API that partners use to build RAIN RFID solutions

#### ➤ Flexible Solution Support

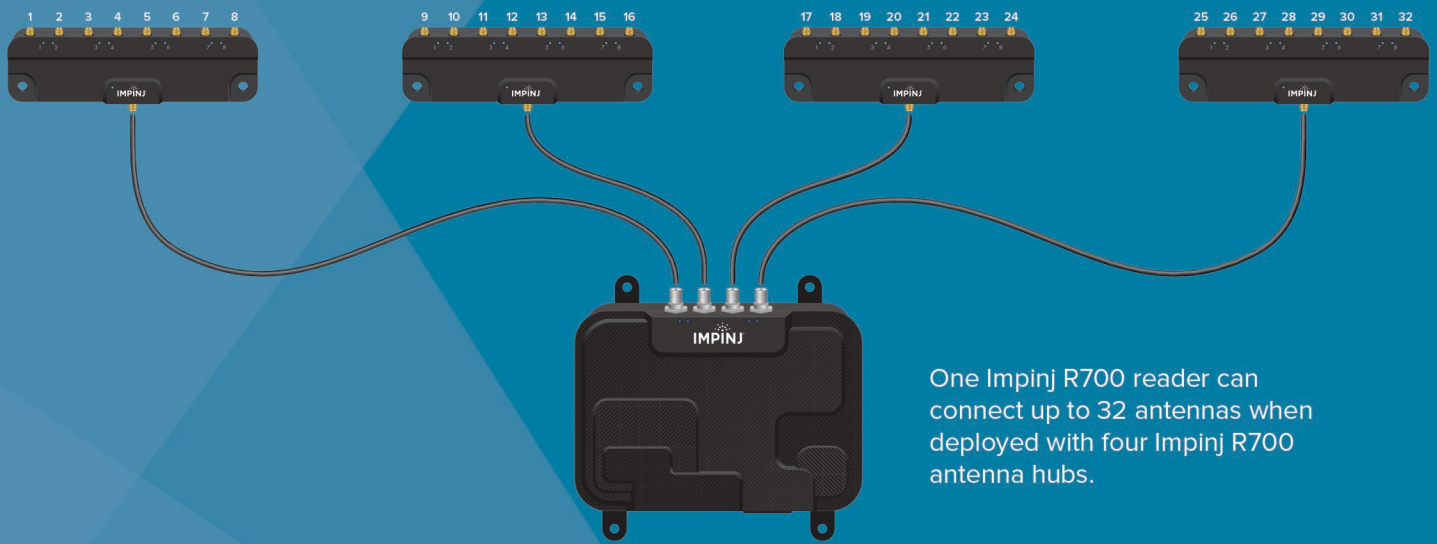
Allows use of the GPIO port for lights, sensors, or other peripherals along with expanded read zones

#### ➤ Robust System-Level Feedback

Supports reliable installations in real-world conditions with active LEDs and automatic detection by the RAIN RFID reader

#### ➤ Easy-to-Deploy Design

Offers simple mounting options, active LEDs, and a single cable to power and control the hub



One Impinj R700 reader can connect up to 32 antennas when deployed with four Impinj R700 antenna hubs.

## Impinj R700 Antenna Hub

SPECIFICATIONS	Dimensions	6.8 x 2.1 x 0.8 in (173 x 53 x 20 mm)
	Weight	3.7 oz (102 g)
	Power Supply	Powered via Impinj R700 reader
	Power Consumption	15 mW typical   20 mW max
	Input	1 RF Input: SMA female
	Output	8 RF Outputs: SMA female
	Mounting Options	Two 1/4 in mounting holes
	Max Input Power	33 dBm
	Insertion Loss	1.7 dB typical
	Isolation	36 dB typical
	Return Loss	30 dB typical (common port)   27 dB typical (antenna ports)
	Antenna Hub Switching Speed	≤8 ms
	Operating Temperature	-20 °C to 50 °C
	Storage Temperature	-20 °C to 85 °C
	Humidity	5% to 95%, non-condensing
	IP Rating	IP50
	Frequency	860-960 MHz
	Certifications	FCC, CE, RoHS
Antenna Port Numbering	1-32 on antenna hubs 1, 9, 17, 25 on native reader ports	
Developer Tools	Impinj IoT Device Interface, Impinj Octane SDK, Impinj Octane LLRP Toolkit, RShell	

Ready to discuss how Impinj can help your business?

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.



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