

Impinj Speedway RAIN RFID Readers

High Performance for Flexible
Solution Development



Available with 2, or 4 antenna ports, Impinj Speedway readers are high-performance RAIN RFID fixed readers that deliver the flexibility and reliability necessary to provide effective item visibility.

Enables flexible solutions for inventory applications

The Impinj Speedway reader helps you keep track of the things that matter to you. Whether you need to monitor inventory or track assets, you can count on Impinj Speedway readers delivering high performance.

Why use Impinj Speedway readers

With the largest installed base of fixed readers across a diverse range of applications, Speedway readers deliver proven performance with a choice of different readers to match your solution specifications.

Flexibility for effective item visibility: multiple readers with different specifications meet different solution requirements and price points.

High performance: Maintain high read rates regardless of RF noise or interference by leveraging patented Impinj Autopilot capability that automatically optimizes performance.

Proven reliability: The largest installed base of fixed readers across a diverse range of applications.



The Impinj Speedway R420 and R220

Connect everything with features that deliver high performance

Impinj Autopilot technology

Automatically optimizes the reader's operation for its environment.

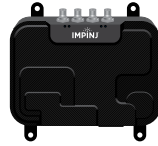
Flexible reader specifications

Enables reader selection based on solution requirements, by offering a range of reader specifications including support for up to 32 antennas.

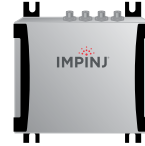
Rich peripheral and accessory support

Provides flexibility when designing a RAIN solution for a specific use case or environment.

Impinj Fixed Reader Portfolio



R700



R420



R220

		R700	R420	R220
SPECIFICATIONS	Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant		
	Antenna ports	4	4	2
	Read zones (max)	32	32	16
	Read rate (max per-second)	1,100	1,100	200
	Transmit power (max, dBm)	33	32.5	32.5
	Receive sensitivity (dBm)	-92	-84	-84
	Processor speed (GHz)	1 (Dual-core)	0.4 (Single core)	0.4 (Single core)
	Random-access memory (MB)	1,024	256	256
	Custom-application partition (CAP) size (MB)	128	32	32
	FEATURES	Impinj IoT device interface	✓	
Support for USB peripherals (slots)		3	1	1
General-purpose input/output (GPIO) connector		Integrated	Accessory	Accessory
Gigabit Ethernet network connectivity		✓		
Power Sources		802.3af PoE/ 802.3at PoE+	All regions: AC-DC adapter All regions except EU2: IEEE 802.3af PoE EU2: IEEE 802.3at PoE+	

Impinj product performance is based on Impinj's modeling and test data, actual results may vary.

For a list of supported regions and geographies please go to: www.impinj.com/supported_regions.

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.