

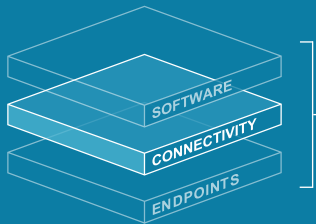
Impinj xPortal RAIN RFID Gateway

The Impinj xPortal fixed-infrastructure RAIN RFID reader system provides hands-free inventory monitoring and asset tracking within linear spaces.



Inventory Management, Always-On Asset Tracking

The lightweight and low profile Impinj xPortal gateway solves the size and mounting limitations of traditional portals, making it ideal for monitoring items, pallets or equipment passing through doorways, hallways, dock doors or other zonal coverage areas.



The Impinj Platform includes
Connectivity Devices



Impinj xPortal Benefits

Continuous Entry and Exit Monitoring

Real-time, 24/7 collection of item-level analytics for entryways and exits

Plug and Play

Configuration and development tools simplify installation

High Performance

Continuous, peak performance through built-in automation

Key Features

- Continuous Monitoring**
A single Impinj xPortal gateway has a field of view up to 700 ft² (65m²); extend coverage with multiple gateways
- DLPA Antenna Technology**
Two dynamically-managed read zones identify items as they pass through choke points
- Compact Design**
Low-profile and light-weight for easy installation on walls and overhead

Use Cases

- Asset Tracking**
Increase asset availability while reducing labor costs and inefficiencies due to manual cycle counts
- Industrial Automation**
Always-on inventory and portal or door transition awareness for industrial applications
- Supply Chain**
Monitor tagged items, pallets, equipment, files or people passing through doorways, hallways, or other zonal coverage areas



Gateway Family Overview

Impinj gateways combine industry-leading reader performance with advanced antenna arrays to continuously identify items and their locations within large areas. The Item Intelligence gathered provides inventory accuracy for retailers, shows real-time asset location for healthcare providers and gives logistics companies visualization into their global supply chain.

xPortal is in the end-of-life process.

Specifications	Impinj xPortal Gateway	Impinj xArray Gateway	Impinj xSpan Gateway
Operating Frequencies <i>Refer to country-specific regulations for channel allocation within the band</i>	FCC: 902-928 MHz / EU1: 865-868 MHz / GX1: 902-928 MHz / GX2: 902-925 MHz / GX3: 920-926 MHz	FCC: 902-928 MHz / EU1: 865-868 MHz / EU2: 915-921 MHz / GX1: 902-928 MHz / GX2: 902-925 MHz / GX3: 920-926 MHz / JP2: 916-921 MHz	FCC: 902-928 MHz / EU1: 865-868 MHz / EU2: 915-921 MHz / GX1: 902-928 MHz / GX2: 902-925 MHz / GX3: 920-926 MHz / JP2: 916-921 MHz
Radiated Power (max) <i>Refer to regulations for country-specific limitations</i>	FCC: 4W EIRP AC/PoE EU1: 2W ERP AC/PoE GX1: 4W EIRP AC/PoE GX2: 4W EIRP AC/PoE GX3: 4W EIRP AC/PoE	FCC: 4W EIRP AC/PoE EU1: 2W ERP AC/PoE EU2: 4W ERP AC/PoE+ GX1: 4W EIRP AC/PoE GX2: 4W EIRP AC/PoE GX3: 4W EIRP AC/PoE JP2: 4W EIRP AC/PoE	FCC: 4W EIRP AC/PoE EU1: 2W ERP AC/PoE EU2: 4W ERP AC/PoE+ GX1: 4W EIRP AC/PoE GX2: 4W EIRP AC/PoE GX3: 4W EIRP AC/PoE JP2: 4W EIRP AC/PoE
Operating Roles	1 (inventory)	3 (inventory, direction, location)	2 (inventory, direction)
Antenna Beams	2	52	13
3dB beam width (sum of all beams)	120° major/80° minor axis	116° major/75° minor axis: all models except EU1 model 120° major/83° minor axis: EU1 model	116° major/75° minor axis: all models except EU1 model 120° major/83° minor axis: EU1 model
Coverage Area (typical)	700 ft ² (65 m ²)	1,500 ft ² (139 m ²): all models except EU2 model 2,000 ft ² (186 m ²): EU2 model	1,000 ft ² (93 m ²): all models except EU2 model 1,300 ft ² (121 m ²): EU2 model
Dimensions (H x W x D)	30.5 x 8.75 x 2.0 in (77.5 x 22.2 x 5 cm)	18.0 x 18.0 x 3.0 in (46.7 x 46.7 x 7.5 cm)	18.8 x 8.7 x 3.5 in (48.0 x 22.0 x 9.0 cm)
Weight	6.5 lb (3 kg)	17.8 lb (8.0 kg)	7.6 lb (3.4 kg)
Power Sources	AC-DC power supply: all models IEEE 802.3af PoE: all models	AC-DC power supply: all models IEEE 802.3af PoE: all models except EU2 IEEE 802.3at PoE+: EU2 model	
Maximum Read Rate	1100 tags/s		
Antenna Type	Dual-Linear Phased Array antenna		
Regulatory Certifications	For a list of supported regions and geographies please go to: www.impinj.com/supported_regions		
Air Interface Protocol	RAIN RFID: EPCglobal UHF RFID Class 1 Gen2v2 / ISO 18000-63		

Ready to discuss
how Impinj can help
your business?

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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.