

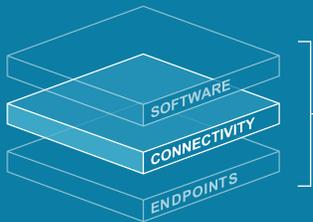
xPortal RAIN RFID Gateway

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 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



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 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.

| Product Details | xPortal Gateway | xArray Gateway | xSpan Gateway |
|---|--|--|---|
| Recommended Usage | Portals and entrances | Portals and entrances Large area monitoring Movement detection Locating item | Portals and entrances Room monitoring Movement detection |
| Air Interface Protocol | RAIN RFID: EPCglobal UHF RFID Class 1 Gen2v2 / ISO 18000-63 | | |
| Number of Antenna Beams | 2 | 52 | 13 |
| Operating Modes | Inventory (tag monitoring) | Inventory (tag monitoring) Tag Direction (track tags as they move through sectors along two axes) | Inventory (tag monitoring) Tag Direction (track tags as they move through sectors along a single axis) |
| Coverage Area (typical) | ≤ 700 ft ² (65 m ²) | ≤ 1,500 ft ² (139 m ²) | ≤ 1,000 ft ² (93 m ²) |
| Dimensions | 30.5 x 8.75 x 2 in (77.5 x 22.2 x 5 cm) | 18 x 18 x 3 in (46.7 x 46.7 x 7.5 cm) | 18.8 x 8.7 x 3.5 in (48 x 22 x 9 cm) |
| Weight | 6.5 lbs (3 kg) | 17.8 lbs (8.0 kg) | 7.6 lbs (3.4 kg) |
| Max Receive Sensitivity | -84 dBm | | |
| Supported Regions | For a list of supported regions and geographies please go to: www.impinj.com/supported_regions | | |
| Software supported | Octane SDK (.NET and Java), LTK (C, C++, .NET, Java), ItemTest, ItemSense | | |
| 3dB beam width - sum of all antenna beams | 120° major axis, 80° minor axis | FCC: 116° major axis EU: 120° major axis | FCC: 116° major axis, 75° minor axis EU: 120° major axis, 83° minor axis |
| Mounting | Vesa 75, Vesa 100, Keyhole slots or Direct Attach | Vesa 200 or Direct Attach | Vesa 75, Vesa 200 x 100, or Direct Attach |
| Sealing / Temperature / Humidity | IEC IP52 / Operating -20°C to 50°C; Storage -20°C to 50°C / 5% to 95% non-condensing | IEC IP50 / Operating -20°C to 50°C; Storage -20°C to 50°C / 5% to 95% non-condensing | |
| GPIO support | YES | NO | NO |
| Management Interface | Impinj Web UI; Impinj Rshell Management Console using console port or SSH; SNMPv2/v3 MIBII; EPCglobal Reader Management v1.0.1; Syslog | | |
| Network Connectivity | 10/100BASE-T | | |
| RoHS Compliant | YES | | |
| Power Sources | 802.3af PoE or AC-DC power supply rated for 24Vdc/2.1A | | |
| Power Consumption | Idle 7 W; Maximum power 15.4 W | | |

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.