IMPINJ®
xSPAN™ GATEWAY

Real-time Inventory Insights
Always-On Asset Tracking

The Impinj xSpan gateway reduces business operational costs and maximizes sales by providing constant, accurate inventory visibility, reducing loss and minimizing time spent locating and tracking items.

Ideal for inventory management, asset tracking and dock door solutions in retail, healthcare, and supply chain, the xSpan gateway simplifies RAIN RFID reader installation and management, lowering the total cost of infrastructure ownership.

GATEWAYS ARE THE CONNECTIVITY
LAYER OF THE IMPINJ PLATFORM

IMPINJ
xSPAN™

xSPAN
GATEWAY FEATURES

- Continuous Area Monitoring
- Item Movement Detection
- Discrete and Compact Design

Impinj Gateway Family Overview

The Impinj gateway family of fixed infrastructure RAIN RFID reader systems provides the connectivity layer that communicates bi-directionally with endpoints, or tag chips, attached to individual items. The Impinj Platform is comprised of endpoints and reader ICs, fixed and handheld readers, and gateways that enable identifying, locating, authenticating and engaging items.

	xSpan Gateway	xArray Gateway	xPortal Gateway
Recommended Usage	• Portals and entrances • Room monitoring • Movement detection	• Portals and entrances • Large area monitoring • Movement detection • Locating items	• Portals and entrances
Air Interface Protocol	RAIN RFID: EPCglobal UHF RFID Class 1 Gen2v2 / ISO 18000-63		
Number of Antenna Beams	13	52	2
Operating Modes	• Inventory (tag monitoring) • Tag Direction (track tags as they move thru sectors)	• Inventory (tag monitoring) • Tag Direction (track tags as they move thru sectors) • Location (tag x, y location)	• Inventory (tag monitoring)
Coverage Area (Up to)	1,000 ft^2	1,500 ft^2	700 ft^2
Dimensions	18.8 x 8.7 x 3.5 in (48 x 22 x 9 cm)	18 x 18 x 3 in (46.7 x 46.7 x 7.5 cm)	30.5 x 8.75 x 2 in (77.5 x 22.2 x 5 cm)
Weight	7.6 lbs (3.4 kg)	17.8 lbs (8.0 kg)	6.5 lbs (3 kg)

xSPAN USE CASES

Movement Detection
enhances front store and back store inventory management enabling loss prevention and exit detection solutions

Asset Tracking
increases asset availability while reducing labor costs and inefficiencies due to manual cycle counts

Production Monitoring
improves efficiency by ensuring accurate material flow from receiving, through production, and out dock doors

xSPAN BENEFITS

Easy to Deploy and Use
suite of configuration and development tools simplifies reader management

High Performance
continuous peak performance through built-in automation

Reduces Operational Costs
provides constant visibility of inventory and asset movement