



xArray® Gateway

Identify & Locate All of Your Items—In Real-Time

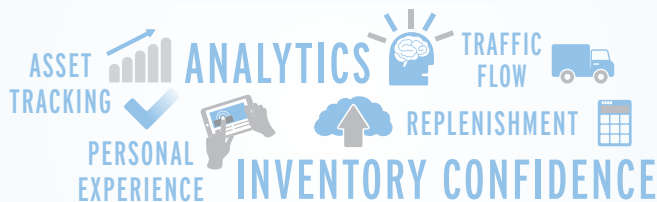


Improve operational visibility throughout your facility, or across your global supply chain, with the Impinj xArray gateway. The xArray is a fixed infrastructure RFID reader system that provides always-on, wide-area monitoring for real-time identification and location of RAIN RFID tagged items. Ideal for large-scale, item-level applications within retail, healthcare and manufacturing, the xArray gateway provides data that allows businesses to deliver better customer service, increase employee productivity and make better business decisions.

The Power of xArray Gateway

BUSINESS INTELLIGENCE

Better Visibility, Insight and Decisions



ITEM INTELLIGENCE

Identify & Locate RFID Tagged Items



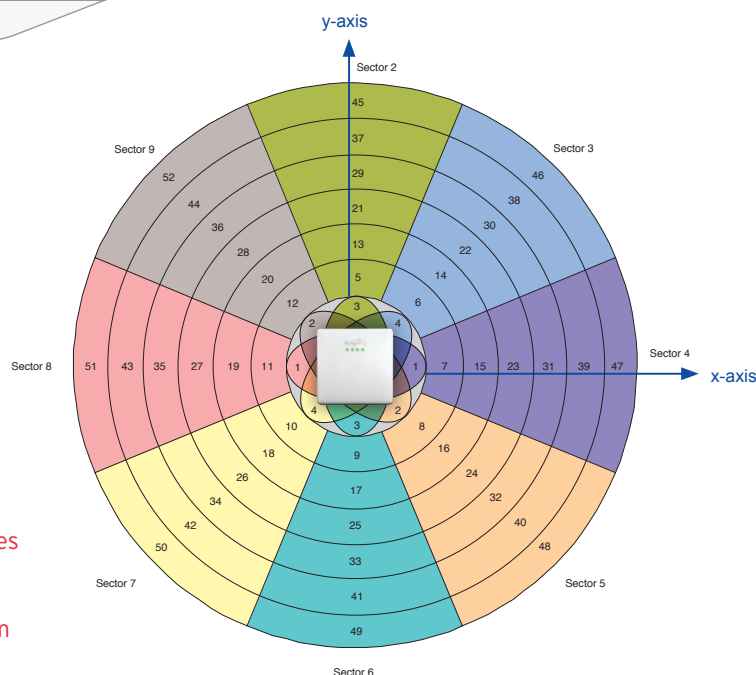
Features:

- > A single xArray can monitor up to 1,500 sq. ft. (139m²) when Monza R6 based tags are used, extend coverage with multiple xArrays
- > Intelligent item locating with 5 ft (1.5m) or better spatial resolution of (x,y) location, extend coverage with multiple xArrays
- > Low profile design fits into standard ceiling tile grid and blends into décor
- > Exceptional performance provided by 2-D array with 52 dual-polarized antenna beams
- > Easy to use and maintain with IEEE 803.2af PoE, tilt sensor to detect when out of alignment, hysteresis feedback to alert when antenna may be blocked, and customizable beacon
- > Easy programming using Octane SDK, LLRP and Impinj extensions

xArray Gateway Overview

Description	Measure
Air Interface Protocol	EPCglobal UHF RFID Class 1 Gen 2 / ISO 18000-63
Operating Frequency	902 - 928 MHz FCC; 865 - 868 MHz ETSI; 916 - 920 MHz Japan
Radiated Power	FCC & Japan 36 dBm EIRP; ETSI 35.2 dBm EIRP
Power Sources	Power over Ethernet (PoE) IEEE 802.3af or Listed/Certified power supply, marked LPS or Class 2, with 24Vdc output, rated minimum 2.5A
Power Consumption	Idle 7 W; Typical 13.8 W
Max Receive Sensitivity	-82 dBm
Coverage Area per xArray	1,500 sq. ft. (139m ²) with Monza R6 based tags*, coverage area may be less with other RFID tags
Operating Modes	Wide Area Monitoring (tag inventory); Locationing (tag inventory with x,y location)
Location Accuracy	85% within 5 ft. (1.5 m) in ideal conditions; 66% within 3.3 ft. (1 m) in ideal conditions
RF Beams	52 Dual-Polarized Beams
Effective Field of View	±45° from 0° (directly underneath the xArray)
Sealing / Temperature / Humidity	IEC IP52 / Operating -20 °C to +50 °C; Storage -20 °C to +65 °C / 5% to 95% non-condensing
Application Interface	Octane SDK; EPCglobal Low Level Reader Protocol (LLRP) v1.0.1
Management Interface	Impinj Web Management UI; Impinj Rshell Management Console using serial management console port or SSH; SNMPv2 MIBII; EPCglobal Reader Management v1.0.1; Syslog
Time Synchronization	Network Time Protocol Version 1.4.2.6
Network Connectivity	10/100BASE-T
IP Address Configuration	DHCP, Static, or Link Local Addressing (LLA) with Multicast DNS (mDNS); Initial network connection fails over to static address 169.254.1.1 (or random address on same subnet if this address is in use)
USB	USB 1.1 Device (Type B) and Host (Type A) ports; USB Virtual COM Serial Port and USB Flash drive support for embedded applications
Supported Regions or Geographies	US, Canada, and other regions following US FCC Part 15 regulations; Europe and other regions following EN 302-208 V1.4.1
RoHS	RoHS 2011/65/EU compliant
Mounting	Vesa 200 or Direct Attach 250 mm x 275 mm Bolt Pattern
Dimensions	18.4 x 18.4 x 3.0 in (46.7 x 46.7 x 7.5 cm)
Weight	17.8 lbs. (8.0 kg)

*Varies with ceiling height, tag type and environmental/use case factors.



The xArray gateway provides exceptional location assignment and wide-area monitoring with its 52-beam phased array antenna.



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About LOGISCENTER

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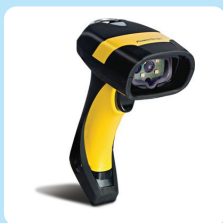
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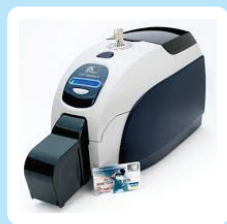
Label printers



Barcode readers



Data terminals & PDA



PVC card printers



RFID



Consumables
(labels, ribbons, PVC cards)

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