Resources & Next Steps

- Connect via RShell for advanced reader settings.
- Develop controlling application using Octane SDK.

XARRAY ACCESSORIES

Description	Part Number
Universal Power Supply	IPJ-A2002-000
AC Power Cord (region-specific)	IPJ-A2051-xxx
Console Cable	IPJ-A4000-000

Find Helpful Information:

Sales: http://www.impinj.com/contact-us/
Support: http://support.impinj.com
General: http://www.impinj.com
Certified Partners: http://www.impinj.com/where-to-buy/

Quick Start Guide
xArray® GATEWAY

This guide provides simple steps to quickly start using your new xArray® gateway. For a full description of connection methods, reader configuration and system setup options, please consult the xArray Installation and Operations Manual.

Box Contents

- 1 xArray Gateway
- 1 Quick Start Guide
- May include tag samples from Impinj inlay partners* featuring Monza® chips

Optional accessories:

- Power supply**
- Power cord
- Console cable

Before getting started, download and install the following on your PC:

http://support.impinj.com

- xArray ItemTest
- xArray Installation and Operations Manual

http://support.apple.com/kb/dl999

- Bonjour Print Services

*Samples are provided courtesy of our inlay partner(s), and may not be available with every reader. Samples are provided for use in reader setup and to experience unique Monza features, and are not intended to represent all the Monza-based inlay varieties available from Impinj inlay partners. We encourage you to ask your provider about RFID labels or inlays featuring Monza tag chips.

**This product should be used with a Listed/Certified power supply, marked LPS or Class 2, with 24Vdc output, rated minimum 2.5A.
(Ce produit est conçu pour être alimenté avec une alimentation Mis / certifiés, marqué LPS ou de classe 2, avec sortie 24V, 2,5 A nominal minimum)

Reading Tags with the xArray Gateway

1) Remove the mounting plate

a) Push the mounting clip away from the xArray Gateway and the mounting plate will release.

b) Once the mounting plate is released, it can be slid out and removed during setup.
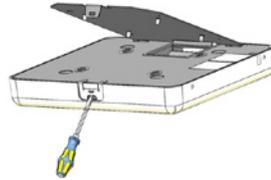
2) Connect using PoE

a) With the mounting plate removed, the unit's connectors are exposed.

24 VDC 1.0 A Optional · ETHERNET or PoE · USB DEVICE · USB HOST · DEBUG
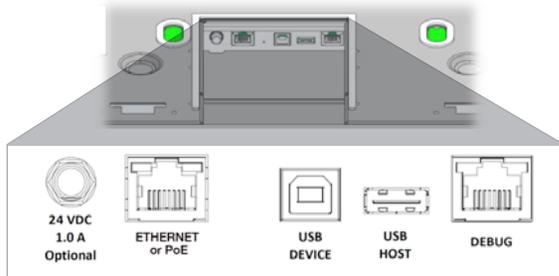
b) Connect to the xArray gateway using a IEEE802.3af (Power over Ethernet) compliant power network switch or power injector.

power + data   data
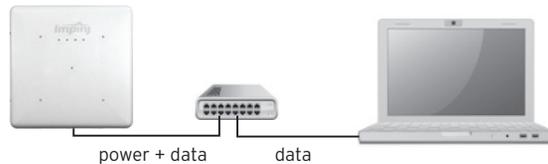
If PoE is not available, connect to the xArray gateway using a Listed/Certified power supply, marked LPS or Class 2, with 24Vdc output, rated minimum 2.5A.

c) If connecting to a network with a DHCP server, ensure your PC has Bonjour Print Services enabled (install if necessary) and test your connection as described in Step 2d.

If connecting directly to your computer, use Bonjour, or if the address is not found, access the xArray at IP address 169.254.1.1. Using a web browser, connect to http://169.254.1.1. Connect to RShell using ssh 169.254.1.1.

d) If desired, test your connection by pinging hostname.local. The hostname follows the format xarray-XX-XX-XX where XX-XX-XX is the last three couplets of the gateway 's MAC address (printed on reader label). (e.g., ping xarray-10-28-42.local)

NOTE: If your network does not support DHCP, use a Cisco-style console cable (RJ-45 to DB9) for a direct RS-232 serial connection to the gateway. The RShell command line interface can configure a static IP address (consult the xArray Installation and Operations Manual). Once completed, you can connect to the product over Ethernet.

3) Set region (optional) and check firmware version

a) Connect to the WebUI using a web browser http://<xarray-XX-XX-XX> or <http://IP address> where XX-XX-XX is the last three couplets of the gateway 's MAC address (printed on reader label).

b) Log in using default credentials:
user name: root
password: impinj

c) Select your region from the drop down list. You, the user, are responsible to ensure operation with the correct RF settings and are solely responsible for any fines and other damages due to incorrect or non-compliant country/ region settings. NOTE: GX1 and GX2 xArrays have no region pre-configured and will not transmit RFID signals until region is selected.

d) Click the **REBOOT** button. When changing operating region, the change does not take effect until the next reboot.

e) Note the "Software Version" shown on the WebUI. Ask your Impinj Certified Partner for the latest released version and upgrade if necessary using the "Reader Upgrade" utility in the WebUI. The firmware for xArray is named Octane. xArray operates on Octane version 5.2 or later.

4) Read tags with Impinj ItemTest software utility

a) Install (if necessary) and open the ItemTest application.

b) Click "Configure Settings" and add information to connect to your xArray.

c) Place tags in the field of view. Click the Start button and watch tag information as it is read and displayed.

d) Some basic settings can be changed in ItemTest, review Impinj documents to learn about each setting.