

## Release Notes

# ItemTest 1.14.0

## ABOUT THIS RELEASE

This is the ItemTest software release for the Impinj RAIN RFID Readers and Gateways. This release is not supported on legacy Speedway IPJ-R1000 readers.

## SUPPORTED REGIONS OF OPERATION

Impinj readers and gateways have been certified for use in multiple regions and geographies. A list of supported regions and geographies is available online at [www.impinj.com/supported\\_regions](http://www.impinj.com/supported_regions).

## NEW FEATURES AND CHANGES

### *Version 1.14.0*

- Added support for EU2 SKU readers
- Added support for Speedway readers and gateways using Rev 6.X PCBA

### *Version 1.12.0*

- Added support for Low Duty Cycle
- Added option to filter tag reads by Rx sensitivity
- Added new column to EPC list containing sequential row numbers
- Added option to specify frequencies in FCC regions to run at lower power
- Added support for Monza R6-A tags
- Allow advanced users to specify transmit power per individual antenna
- Added a running counter of the unique tags read during an inventory run
- Added a "Copy to Clipboard" button in the tag access window to copy tag memory data to clipboard

### *Version 1.10.0*

- Added support for GPI-triggered inventory runs
- Added GPO controls to reader utilities

### *Version 1.8.1*

- Added new inventory search mode Dual Target B to A

### *Version 1.8.0*

- Added Speedway R120 reader support

### *Version 1.6.0*

- Added IPv6 support
- Moved to .NET Framework version 4.6.1
- Changed the "generate unique tag log" feature such that the log is cleared at the beginning of each test run

## *Version 1.4.1*

- Added support for the xSpan gateway (R660)
  - Enables configuration of Inventory Mode and Direction Mode reader settings
- Added Access Password support to the Tag Memory Access feature
- Consolidated Reader Settings and Application Settings into two categories accessible from the menu bar on the home page

## *Version 1.2.0*

- Tag memory access
  - Enables reading and/or writing to available tag memory banks
    - EPC, TID, reserved, user depending upon tag

## *Version 1.0.4*

- Added support for Speedway readers R420 and R220 and xPortal gateway (R640)
- Added ability to create .csv file of all unique tags encountered during a single run for WAM, location and tag direction modes
- Added ability to specify channels when using ETSI devices in WAM mode
- Added ability to change the EPC for a tag in WAM mode
- Added ability to access the WAM configuration page from the WAM main window by double-clicking the reader nickname

## *Version 1.0.2*

- Added support for Direction mode
- Allow for Update Interval in Location to be set to 0; this results in tag reports every 0.5 seconds
- Added smoothing function to Location mode

## *Version 1.0.1*

- Added additional metrics when hovering over xArray icon (when running in location mode):
  - Cycle time
  - Unique tags
  - Total reads

## *Version 1.0.0*

- ItemTest is a simple, easy-to-use Windows compatible application to evaluate performance of one or more xArray Gateways. ItemTest supports use case testing of wide area monitoring and locationing with a single or multiple xArray gateways.
- ItemTest functionality was previously released as xArray Tester software.

# RESOLVED ISSUES

## *Version 1.14.0*

- Minor bug fixes and performance improvements

## *Version 1.12.2*

- Resolved an issue where receive sensitivity was incorrectly capped at -70 dBm
- Updated floating-point values to get logged with a '.' to comply with CSV file format in European locales
- Minor bug fixes and performance improvements

## *Version 1.12.1*

- Fixed an issue where profiles that were being saved to disk caused a crash in regions using commas as the decimal separator

- Margin test logs now include the power index for the particular inventory run
- Minor bug fixes and performance improvements

### *Version 1.12.0*

- Minor bug fixes and performance improvements

### *Version 1.10.0*

- Minor bug fixes and performance improvements

### *Version 1.8.1*

- Minor bug fixes and performance improvements

### *Version 1.8.0*

- Minor bug fixes and performance improvements

### *Version 1.6.1*

- Fixed a connectivity issue with readers using static IP addresses

### *Version 1.6.0*

- Correct error messages are now displayed when a connection fails
- Fixed an issue where ItemTest did not fail when network connectivity was lost during a test run
- Fixed an issue where the Tag Read Count was incorrectly reported when running multiple tests

### *Version 1.2.0*

- Fixed crashed in xArray Location mode when selecting fields in Tag of Interest Summary windows

### *Version 1.0.4*

- Fixed bug that caused the direction mode log file to include all readers instead of only enabled readers
- Dispose of stale windows when a different type of run is started
- Fixed direction mode entry and exit timestamps when update reports are disabled
- In direction mode the timestamps are retrieved from the reader rather than the system timestamp
- Documentation updated to reflect all the supported colors in the tag of interest file
- Resolved duplicate reader name error when connecting to a reader with multiple names for the same IP address

### *Version 1.0.2*

- Added reader connection auto-retry to resolve reader connection issues

### *Version 1.0.1*

- None

### *Version 1.0.0*

- None

## KNOWN ISSUES

- Uninstall previous versions of ItemTest software prior to installing new version.

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