Speedway Connect Software 2.8.0

ABOUT THIS RELEASE

This is the Impinj Speedway Connect Software version 2.8.0 release for Impinj RAIN RFID readers and gateways. Speedway Connect is on-reader software that enables users to easily set configuration and consume data for individual readers and gateways.

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.

APPLICATION COMPATIBILITY

Application	Version
Octane Firmware	6.0.3.240

NEW FEATURES AND CHANGES

Version 2.8.0

- Added support for readers and gateways that support the new EU upper band frequency standard (915-921 MHz).
- Updated the default Reader Mode selection to Mode 1002, "AutoSet Dense Reader Deep Scan". After installing on older versions of Octane with R120 and R220 readers, the "Reader Mode" drop-down will appear blank until a valid option is chosen.
- Updated help for HTTP POST interval to contain message about "Update Interval" recommended setting.
- Added support for Internet Explorer 11

Version 2.6.0

- Added the option of using the carriage-return character ('0x0D') as the line-ending character in Speedway Connect's output.
- Added the heartbeat capability when running in the Direction and Location profiles.

Version 2.4.0

- Added support for the Location profile when running on an xArray.
- Added support for the Direction profile when running on an xSpan or xArray
- Added the ability to select which timestamp format is sent in reports: Unix time or ISO 8601

Version 2.2.0

- Speedway R120 reader support

Version 2.1.0

- xSpan and xArray support (Inventory mode only)
- Option to format output in JSON
- IPv6 support for the WebUI, HTTP POST, and socket connections
- Improved stability

Version 2.0.6

- The "Immediate" start trigger supports the "Duration" and "GPI" stop triggers

Version 2.0.2

- Web user interface updated with new Impinj logo

Version 2.0.1

- New web user interface
- Ability to disable Speedway Connect program without having to uninstalling it
- License key validation and warning message at top of page if license is invalid or not entered
- Support for channel selection when installed on ETSI readers
- Heartbeat added when using HTTP POST
- Ability to enter starting tag population
- Support for HTTP 1.1 when using HTTP POST
- Added ability to enter proxy server information for HTTP POST
- Added second tag filter
- Enhanced security by requiring user to enter current password in order to change to a new password

RESOLVED ISSUES

Version 2.8.0

- Minor bug fixes and other improvements

Version 2.6.0

- The custom data suffix is now written *before* the newline character.
- Added custom prefix and suffix output for heartbeat reports over socket and serial output, matching other output mechanisms.
- Other, minor bug fixes and improvements

Version 2.4.0

- Updated the default "bit pointer" value for Gen2 filters to be 32, which is the beginning of the EPC
- GPI is no longer listed as an option for start and stop triggers when running on an xSpan or xArray
- Gen2 filtering mask lengths are now validated by the web interface
- Reader modes that are not supported by a particular reader model or regulatory region are no longer displayed for FCC and ETSI readers
- Other, minor bug fixes and improvements

Version 2.2.2

- Heartbeat reports over socket connections with JSON output enabled are now properly JSON-encoded.
- License keys entered into the web configuration page are now sanitized before being stored.
- The web configuration page can no longer be hosted inside of an HTML iframe element.

Version 2.2.0

- Minor bug fixes and other improvements

Version 2.1.0

- Fixed several minor stability, documentation, and performance issues.

Version 2.0.6

- The URL for HTTP Post supports the "=" character
- The application will automatically restart if the network connection to the reader is lost. Tag reading will resume if Speedway Connect was in that state when the connection was lost.
- Fixed a UI issue where the incorrect power setting was displayed after closing and reopening the application even though the reader was configured correctly
- Increased the PHP Post size from 8M to 25M to prevent server error 413 "request entity too large"

Version 2.0.4

- Fixed an issue where timestamps from a Speedway reader were incorrectly converted

Version 2.0.2

- Updated transmit power and receive sensitivity defaults to align with reader capabilities and regulatory limits
- Fixed web UI to accurately reflect available antennas when using certain Antenna Hub configurations
- Fixed reader's web UI to have Application SW Version reflect correct version of Speedway Connect installed

Version 2.0.1

- Fixed Advanced GPO settings capability
- Automatically set session to 1 when using Single Target with Suppression
- Corrected tag reports when using 128-bit EPCs

KNOWN ISSUES

- Times occurring in the past can be entered for start triggers
- Selecting "Reserved Memory" for tag filtering will cause the application to not read tags
- When sending CSV data over HTTP POST, the incorrect content-type is specified in the HTTP header
- Text fields that accept a number will allow a hyphen to be entered after the number, resulting in an invalid configuration
- Entering '0' as the value for EPC truncation will result in no truncation occurring

NOTICES