



Impinj Readers (R220, R420) and Gateways (R640, R680)

Development Libraries Release Notes

About this release

These release notes are applicable to the following version of the Impinj Octane Software Development Kit (SDK) and Impinj LLRP Tool Kit (LTK):

| Library | Version |
|-------------------|------------|
| Octane .NET SDK | 2.22.0.30 |
| Octane Java SDK | 1.22.0.30 |
| .NET LTK | 10.22.0.30 |
| Java LTK | 10.22.0.30 |
| C++ LTK for Win32 | 10.22.0.30 |
| C++ LTK for Linux | 10.22.0.32 |
| C LTK for Linux | 10.22.0.32 |
| LLRP Definitions | 10.22.0.30 |

These libraries are designed to be used in conjunction with the Octane 5.6.0 firmware release for the Impinj RAIN RFID Readers (Speedway® R220 and R420) and Gateways (xPortal R640 and xArray R680).

For technical support, contact Impinj:

Email: support@impinj.com

Web: <http://support.impinj.com>

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: www.impinj.com/supported_regions

Application Compatibility

| Application | Version |
|-----------------|-----------|
| Octane Firmware | 5.6.0.240 |

Document Compatibility

| Document | Version |
|--|-----------|
| Impinj Speedway Installation and Operations Manual | 5.6.0.240 |
| Impinj xArray Installation and Operations Manual | 5.6.0.240 |
| Impinj Firmware Upgrade Reference Manual | 5.6.0.240 |
| Impinj RShell Reference Manual | 5.6.0.240 |
| Impinj Octane SNMP | 5.6.0.240 |
| Impinj Octane LLRP | 5.6.0.240 |
| Impinj LLRP Tool Kit (LTK) Programmers Guide | 5.6.0.240 |
| Impinj Embedded Developers Guide | 5.6.0.240 |

New Features and Changes

- All LTKs and SDKs now support connecting to readers over a secured connection. Please see the library-specific documentation for more information on how to make your application take advantage of this new feature.
- All LTKs and SDKs now support Octane's new "Direction" feature for xArray. Please see the library-specific documentation for more information on how to use this new functionality.
- The Java LTK has upgraded the version of Mina it uses to 2.0.9 (up from 1.1.7)
- For xArray-based applications using the SDK, transmit power can now be set inside of the LocationConfig object.
- Two new reader modes are now exposed in the SDK: AutoSetStaticFast and AutoSetStaticDRM. Please see the appropriate SDK's documentation for more information on what these modes do.
- All C and C++ LTKs now rely on the OpenSSL Libraries for network communication. For the Win32 LTK, a copy of libeay32.dll and ssleay32.dll are provided. For the Linux C/C++ LTKs, libraries are only provided for the Atmel architecture to enable linking for on-reader apps. Libraries for other architectures running Linux are not provided as they should already be available from your Linux distribution.

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