Introduction

This is the release of the RFID SDK for Linux (64 bit) for the FX Series RFID readers. The tar ball provides a set of tools necessary to develop C and Java Applications for RFID reader devices from Zebra.

Description

RFID SDK for Linux provides a set of tools necessary to develop 64-bit based C and Java Applications for RFID reader devices from Zebra. These tools include class library, sample application and associated documentation.

This allows C and Java developers to programmatically access or control the RFID reader functionality on a 64-bit Linux machine.

The C and Java RFID libraries supports the following features/changes

**C**
1. Added `extendedOnTimeMicroseconds` in `ANTENNA_RF_CONFIG` to gets or set Extended On time in milliseconds (delay after select command). This is supported only in FX9600.
2. Added new stop trigger type in `ANTENNA_STOP_TRIGGER_TYPE` to stop after a specified Millisecond duration Or One round
3. Fix for Frequency channel request from reader for reader f/w 3.6 or above
4. PowerSource name changed `RFID_GetSystemInfo`

**Java**

1.4.0.49
1. Added `ExtendedOnTimeMicroseconds` in `AntennaRfConfig` class to get or set Extended On time in milliseconds (delay after select command). This is supported only in FX9600.
2. Added new stop trigger type in `ANTENNA_STOP_TRIGGER_TYPE` to stop after a specified Millisecond duration Or One round
3. Added `GetStationaryTags` function in `Actions` class to get the stationary tags if Moving/Stationary feature enabled
4. Fix for periodic start inventory in `RFIDSample4` sample app

1.4.0.50
5. `getSystemInfo` in `ReaderManagement` class is extended to support:
   - `getSerialNumber`
   - `getHostName`
   - `getManufacturer`
   - `getModel`
6. ANTENNA_STOP_TRIGGER_TYPE extended to support
   - ANTENNA_STOP_TRIGGER_TYPE_DURATION_MILLISECS_ONE_ROUND - Stop on Millisecond timeout or 1 round of inventory whichever is first

7. Added new function getStationaryTags() in Actions class

Contents

1. Symbol.RFID.API3.jar – RFID Java SDK jar
2. librfidapi32.so and associated libraries – 64-bit C shared Objects for the RFID C SDK.
3. Include – C API Include files
4. Samples – C and Java sample application along with the source and makefiles.
5. Docs – C and Java SDK documentation
6. ReadMe.txt – Details on the contents and build running instructions for the samples

Versions

<table>
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<tr>
<th>RFID API3 library</th>
<th>5.5.4.19</th>
<th>librfidapi32.so</th>
<th>05-May-2021</th>
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<tr>
<td>RFID API3 Java Jar file</td>
<td>1.4.0.50</td>
<td>Symbol.RFID.API3.jar</td>
<td>11-Oct-2021</td>
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Device Compatibility

This software release has been approved for use with the following Symbol devices.

<table>
<thead>
<tr>
<th>Device</th>
<th>Operating System</th>
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<tr>
<td>FX9600 &amp; FX7500</td>
<td>Linux</td>
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Installation Requirements

This software package has been approved for use with the following:
PC:
- Ubuntu 16.04/18.04 64 bit
- Centos 8.2 64 bit

Part Number and Release Date

Zebra-RFID-FXSeies-Host-Linux64_SDK_C_V5.5.4.19_Java_V1.4.0.50.tar.gz

February 18, 2022