
Release Notes – RFID SDK for C and Java Linux (64 bit) Host based Programming for FX Series Readers

Introduction

Description

Contents

Device Compatibility

Installation Requirements

Part Number and Release Date

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

- Added support for Gen2 V2 commands
 - o RFID_Authenticate
 - o RFID_ReadBuffer
 - o RFID_Untraceable
 - o RFID_Crypto
- Added support for Licensing
 - o RFID_AcquireLicenseOnLine
 - o RFID_AcquireLicenseOffLine
 - o RFID_ReturnLicense
 - o RFID_GetAvailableLicenses
- Added additional Triggers
 - o Added TimeLapse, Distance Start Trigger
 - o Added TimeLapse Stop Trigger
 - o Added Extra Triggers to support multiple start/stop triggers for inventory/access operation
- Added support to report GPS location co-ordinates as part of TAG_DATA if the reader connected with Sierra GPS modem
- Added support to report tag status of moving and stationary.
 - o Extended TAG_EVENT_REPORT_INFO structure to enable TAG_MOVING_EVENT_REPORT
 - o Reported Tag status as part of TAG_EVENT in TAG_DATA structure

- POST_FILTER data structure extended to configure lpTagListFilter to report only the tags which are interested
- Extended READER_CAPS structure to report the following features supported
 - o TagListFilterSupported
 - o TagMovingStationarySupported
 - o ZebraTriggerSupported
 - o G2V2CommandSupported
 - o GPSReportingSupported
- Added new Reader Management API RFID_EnterpriseReset to perform enterprise reset. The existing RFID_FactoryReset is deprecated.
- Documentation had been made specific to RFID SDK and has been enhanced with more examples.

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

RFID API3 library	5.5.4.14	librfidapi32.so	04-May-2020
RFID API3 Java Jar file	1.4.0.44	Symbol.RFID.API3.jar	02-May-2020

Device Compatibility

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

Device	Operating System
FX9600 & FX7500	Linux

Installation Requirements

This software package has been approved for use with the following:

PC:

- Ubuntu 16.04 64 bit
- Centos 6.9 64 bit

Part Number and Release Date

Zebra-RFID-FXSeies-Host-Linux64_SDK_C_V5.5.4.14_Java_V1.4.0.44.tar.gz

May 4, 2029