Release Notes - RFID SDK for FX9600 v1.2.3 - Embedded programming

Introduction

This package contains the tools required to develop embedded applications for the FX9600 RFID reader. This package contains files required for C-based application development as well as Java-based application development.

Description

This package contains the files required for developing embedded application in C as well as Java. Refer Versions sections to determine which components and their versions.

The following features are supported via the API:
1. New device support for FX9600 Fixed RFID Reader
2. Support for secure connection
3. Set/Get cable loss compensation per antenna
4. Set/Get global antenna configuration
5. New callback mechanism to register/deregister events
6. PA/Ambient temperature events
7. Inventory state A/B flip mode added
   - INVENTORY_STATE_AB_FLIP
8. SL flag can be set to ï¿½SL allï¿½
   - SL_ALL
9. Tag report includes tag phase
   - PHASE_INFOï¿½
10. New antenna stop trigger types stop inventory operation upon time elapsed or number of attempts
11. Report trigger can be configured to report tags after a specified time duration
12. Idle mode support in which RFID radio is turned off upon a configurable time of inactivity
13. User application deployment
    - Install
    - Uninstall
    - Start/Auto-start
    - Stop
    - Get application run status
    - List installed applications

Contents

1. Zebra FX9600 Embedded SDK Installer ver.1.2.3.msi : RFID SDK package for developing embedded applications.

Version numbers

Zebra RFID API3 shared library	5.5.1.10	Librfidapi32.so	17-December-2017
Zebra RFID API3 shared JNI library librfidapi32.jni.so	1.4.0.31	Librfidapi32jni.so	17-December-2017
Zebra RFID API3 Java JAR file	1.4.0.31	Symbol.RFID.API3.jar	17-December-2017
Java Programmers Guide	N/A	RFIDAPI3_JAVA.html	17-December-2017
C API Help and programmers guide	N/A	EMDK_Help.chm	17-December-2017
Sample applications for C, C++ and Java	N/A	RFIDSample4App	17-December-2017

Device Compatibility

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

Device	Operating System
FX9600	Linux

Installation Requirements

This software package has been approved for use with the following OS:
- Windows 7 (32-bit/64-bit)

It is also required to have the CodeSourcery package for embedded application development on the FX9600.

- CodeSourcery Lite Version 4.4-290 (The installation file name arm-2010q1-202-arm-none-linuxgnueabi.exe can be downloaded from www.mentor.com)

Part Number and Release Date

December 17, 2017