

Release Notes Zebra RFID Embedded C / CPP SDK for Linux FX Series Embedded programming

This document summarizes the following firmware releases:

Release Number	Release Date	See page
Zebra FXSeries Embedded SDK C CPP Linux V1.0.1	04-May-2020	Page 1

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Zebra RFID Embedded C / CPP SDK for Linux V1.0.1

RELEASE DATE: 04-May-2020

The Zebra-FXSeries-Embedded-C-CPP-SDK facilitates the user to develop, debug and package Embedded application using fixed RFID reader FX9600 and FX7500 on Linux

This package contains the files required for developing embedded application in C on Linux host. Refer

Versions sections to determine which components and their versions.

The following features are supported via the API:

- 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 IpTagListFilter 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 of the release package

Zebra-FXSeries-Embedded-SDK-C-CPP_Linux_V1.0.1.tar.gz

ZebraFXSeriesEmbeddedSDKCCPPLinux_1.0.1.deb

Zebra-FXSeries-Embedded-C-CPP-SDK-UserGuide_linux.docx

Embedded SDK release Version Info

IMAGE TYPE	VERSION	FILE NAME	DATE
Zebra FXSeries Embedded SDK for C and CPP on Linux	1.0.1	Zebra-FXSeries-Embedded-SDK-C-CPP_Linux_V1.0.1.tar.gz ZebraFXSeriesEmbeddedSDKCCPPLinux_1.0.0.deb	04-May-2020
Zebra FXSeries Embedded SDK for C and CPP User Guide	1.0.1	Zebra-FXSeries-Embedded-C-CPP-SDK-UserGuide_linux.docx	26-June-2020

Device Compatibility

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

Device	Operating System
FX9600 & FX7500	Linux

Installation Requirements

- Host Machine running with Ubuntu 16.04 64-bit or Fedora 27 64-bit OS
- Host Machine with minimum of 8GB RAM (16GB recommended) preferred with 40GB free space, Intel Core I7 CPU
- Installation file like
Zebra-FXSeries-Embedded-SDK-C-CPP_Linux_V1.0.1.tar.gz (Ubuntu/Fedora installation) or
ZebraFXSeriesEmbeddedSDKCCPPLinux_1.0.1.deb (Ubuntu installation only)
provided by Zebra.
- RFID Reader FX Series Firmware Version 3.x.x or higher
- Ensure that default scp port (22) is available
- Ensure latest Java (java 8) is installed in the host

This software package has been approved for use with the following SDK and the FX9600 / FX7500 RFID readers running V3.6.25 or above

Part Number and Release Date

Zebra-FXSeries-Embedded-SDK-C-CPP_Linux_V1.0.1.tar.gz

ZebraFXSeriesEmbeddedSDKCCPPLinux_1.0.1.deb

May 4,2020