FX9600 2.4.30 Release Notes

Release Notes for FX9600 V2.4.30

Released on 01/Dec/2017

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Introduction

The FX9600 RFID reader is a powerful EPC Gen-2 compliant industrial fixed reader. It is a Linux based device driven by a new and powerful RFID engine that enables users to integrate RFID into their business logic and applications with great ease and high efficiency.

Release Notes lists new features, any specific usage instructions, and any known issue.

The features and the issues mentioned in this document are applicable for all FX9600 SKUs

Software Download

The version 2.4.30 software update package includes the files required to update FX9600 RFID Reader.

An FTP/SCP/FTPS server is required to upgrade the readers.

The software for fx9600 reader is available at Zebra support site.

Contents of the release package:

IMAGE TYPE	VERSION	FILE NAME	DATE
RM Server LLRP Server	2.4.30 2.4.30	platform_2.4.30.0.tar.gz	12/01/2017
X-Loader	2.0.4	x-load_2.0.4.bin.ift	01/05/2017
U-Boot	2.0.13	u-boot_2.0.13.0.bin	09/21/2017
Operating System	2.2.12	uImage_2.2.12.0	11/22/2017
Root FS	2.0.3	rootfs_2.0.3.0.jffs2	08/03/2017
OsUpdate Utility	1.0.0	Osupdate.elf	12/01/2017
Response	N/A	response.txt	12/01/2017

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RFID3 CAPI DLL	5.5.1.10	Rfidapi32.so	10/22/2017
RFID3 JNI DLL	1.4.0.31	librfidapi32jni	11/14/2017
RFID3 Java API	1.4.0.31	Symbol.RFID.API3.jar	11/14/2017
Linux Kernel	2.6.32		
Radio Firmware	2.1.8.0		
Radio API	2.2.5.4		

Host API release Version Info:

IMAGE TYPE	VERSION	FILE NAME	DATE
RFID3 C API DLL	5.5.1.10	RFIDAPI32PC.DLL	10/22/2017
RFID3 .NET DLL	1.5.1.4	Symbol.RFID3.*.dll	9/21/2017
RFID3 Java JNI DLL	1.4.0.31	RFIDAPI3_JNI_HOST.dll	11/14/2017
RFID3 Java API	1.4.0.31	Symbol.RFID.API3.jar	11/14/2017

Native DLL available for both 32-bit and 64-bit

Installation Requirements

- A Java enabled browser on a PC is required to initiate the upgrade process. A USB drive can also be used directly. The recommended browser is Mozilla Firefox

Installation Instructions

There are three supported ways to upgrade the FX9600 RFID reader

Method 1:

Unzip images and copy to a USB drive. Connect USB drive to FX9600 reader. Upgrade will automatically start in 7-10 seconds.

Method 2:

Copy images to local drive of PC, log in to the reader, select ‘File based upgrade’ on reader upgrade webpage, Enter username and password of reader. Select image to upgrade from local PC. Click ‘Start upgrade’

Method 3:

Copy images to FTP server. Navigate to the reader upgrade webpage and select 'FTP upgrade' page. Enter username and password of the FTP server. 'Start upgrade'.

- ✓ FTP/SCP/FTPS server can be used to upgrade the readers.
- ✓ The latest version of PowerSession demo application (0.40.8 and higher) can also be used to upgrade multiple readers with a single operation. Please refer to the Integrator Guide document for detailed upgrade procedures.

New Features summary

This release 2.4.30 is the initial version of firmware for the FX9600. This software release is for Zebra RFID partners and customers for use with the Zebra FX9600 RFID Readers. Customers should be able to use host and embedded development based software development kits. Customers can also develop embedded applications using C or Java based embedded SDK. This drop also supports host based development kits for C, Java, and .NET. All the development kits are backward compatible with RFID3 API interface. Please download the development kits from the appropriate links on the support page.

Device Compatibility

Device

FX9600-42320A50-US
FX9600-82320A50-US
FX9600-42325A50-WR
FX9600-82325A50-WR

Important Notes and Known Issues

Summary of major issues and limitations are listed below.

- Web console has few pages that use Java applets and works only with IE11
- Before the successful tunnel creation two ping packets are sent and received unencrypted
- IPSEC hand shake is not successful with CISCO router
- After successful tunnel creation reader accepts unencrypted packets momentarily from the destination