Release Notes – FX7500: RFID Release v1.2.44

Introduction

The FX7500 RFID reader is a powerful Gen-2 compliant business class 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.

Description

This release 1.2.44 is a maintenance release. Host based applications (in C, .Net Java) and Embedded applications (C, Java) developed to work with the previous software version are expected to woek seamlessly with 1.2.44. All the development kits are backward compatible with RFID3 API interface. Please download the development kits from the appropriate links on the support page.

Summary of resolved issues

- *SPR 28126 – Fixed - Memory leak when using multiple ROSpecs containing multiple AISpecs (for each antenna).*
- *SPR 28195 –Fixed - Time synchronization with NTP servers observed to be inconsistent.*
- *SPR 27634 –Fixed - Updates to address Heartbleed, Shellshock and Poodle vulnerabilities.*
- *SPR 27091 –Fixed - Web-console does not work in browser with Java-8 due to use of self-signed certificates.*
- *SPR 28563 –Fixed - Device occasionally loses static IP address and starts responding directly to DHCP address.*
- *SPR 28672 –Fixed – Automatic IP addressing does not work if the MAC address is in the format xx:xx:xx:xx:FF:xx(i.e. when FF is present in the 9th and 10th positions of the MAC address). Starting with this version, if a device has a MAC address in this format, the device will pick up a random un-used 169.254 IP address and will be reachable, discoverable directly by device's FX7500xxFFyy NAME only.*

Contents

Software image download file - FX7500-build-1.2.44.0.ZIP

The contents of this file are as listed below

Image name	Versions	Filename
RM Server	1.2.44	
LLRP server	1.2.44	platform_1.2.44.0.tar.gz
X-Loader	1.2.0	x-load_1.2.0.0.bin.ift
Operating System	1.2.2	uImage_1.2.2.0
U-boot	1.2.2	u-boot_1.2.2.0.bin
Root FS	1.2.4	rootfs_1.2.4.0.jffs2
OsUpdate Utility	1.0.0	osupdate.elf
Response	N/A	response.txt
RFID3 CAPI DLL	5.5.0.39	Rfidapi32.so
RFID3 JNI DLL	1.4.0.27	librfidapi32jni
RFID3 Java API	1.4.0.27	Symbol.RFID.API3.jar
Linux Kernel	2.6.32	
NGE Firmware	1.3.31	
NGE Radio API	1.3.14	

Device Compatibility

This software release has been approved for use with the following RFID readers.

Device
FX7500-42320A50-US
FX7500-22320A50-US
FX7500-42325A50-WR
FX7500-22325A50-WR
FX7500-42320A50-JP
FX7500-22320A50-JP

Installation Requirements

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

Installation Instructions

There are three supported ways to upgrade the FX7500 RFID reader
- · Method 1: Unzip images and copy to a USB drive. Connect USB drive to FX7500 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. Click 'Start upgrade'

- FTP/SCP/FTPS server can be used to upgrade the readers.
- The latest version of the PowerSession demo application (0.40.8 and higher) can also be used to upgrade multiple readers at the same time. Please refer to the Integrator Guide document for details.

Part Number and Release Date

November 4 2015