THINGMAGIC IZAR AND SARGAS READER WiFi SETUP GUIDE

SRGS_IZAR_WiFi-SG
Rev 11052018

JADAK
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Version 11052018

REVISION HISTORY

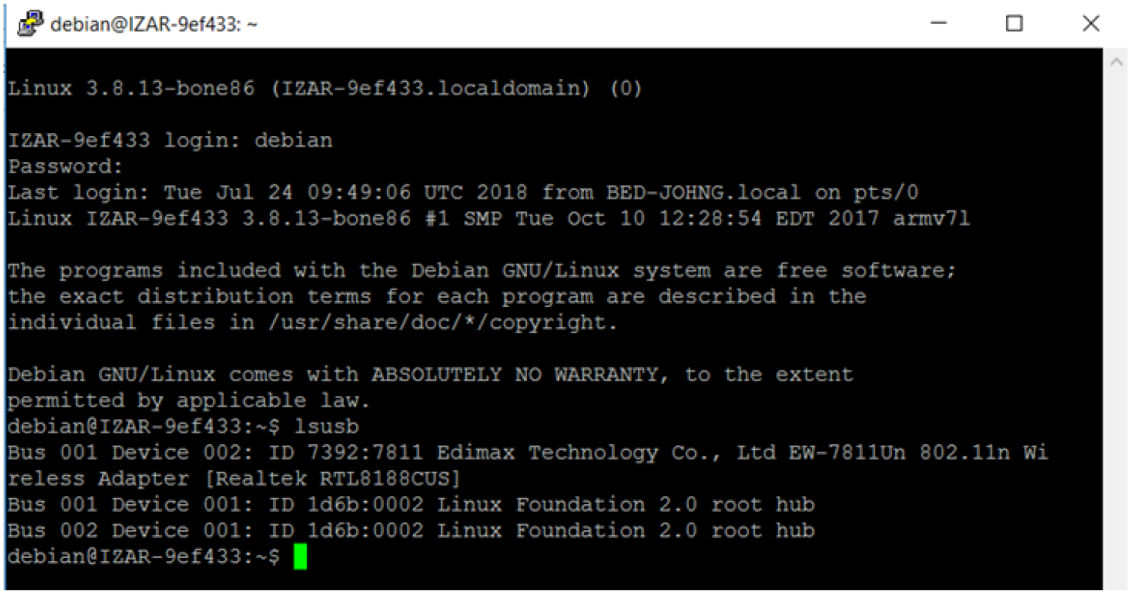
Date	Version	Description
11/5/2018	SRGS_IZAR_WiFi-SG Rev 11052018	• Initial release.

WiFi Setup Steps

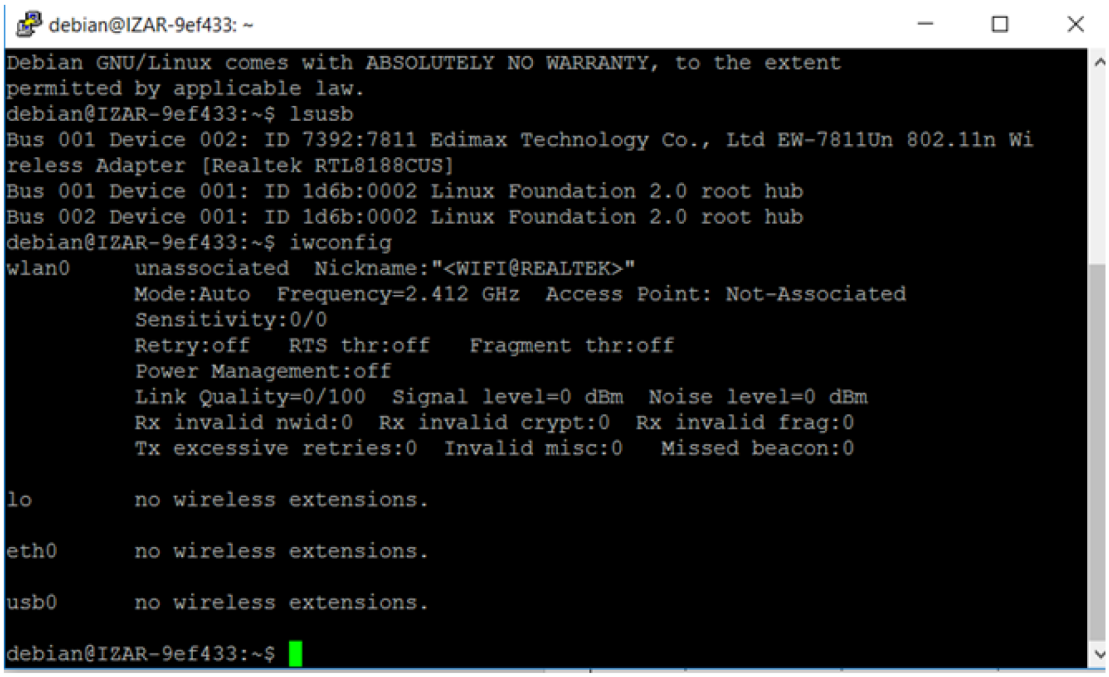
The following steps walk you through setting up WiFi on the ThingMagic Sargas or IZAR Reader, firmware 5.3.2 or higher. The procedure applies to a wide range of wireless USB adapters. JADAK has referenced EDIMAX N150 in the development and testing of this solution and the instructions.

1. Login to the reader's web interface (see the reader Quick Start Guide).
2. Copy the IP address from the LAN configuration pane.
3. Using this IP address, telnet into the reader using an open source terminal program such as PuTTY.
4. Paste the IP address in the terminal program and select **Telnet** connection.
5. Click **Open**.
6. Once you have accessed the console port with a terminal program, enter the default user name **debian** and the default password **rootsecure**.
7. Attach the WiFi dongle to the reader's USB host port.

8. List the USB devices and their properties in Linux®.
9. Type **lsusb** to list the Wireless Adapter from step 7.



10. View the wireless card information and settings by typing **iwconfig**.



11. WiFi can be enabled by adding 4 parameters in the **tm.conf** file.

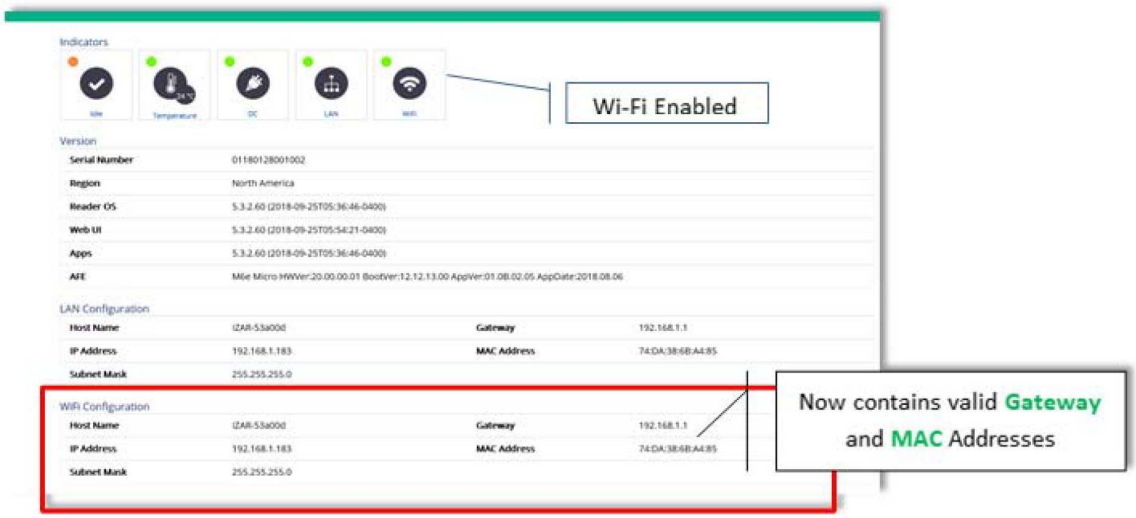
```
debian@beaglebone:~$ sudo vim /tm/etc/tm.conf
   net_interface='wlan0'
   wpa_ssid_wlan0=' WiFi-UserName '
   wpa_psk_wlan0 = ' WiFi-Password '
   iface_wlan0='dhcp'
```

12. Edit the file and save the changes. Reboot the reader.

```
debian@beaglebone:~$ sudo reboot.
```

13. Login to the reader's web interface (see the reader Quick Start Guide).

14. With the WiFi dongle connected to the USB host port, you now see a WiFi status indicator under the reader **STATUS**, as shown below.



WiFi Disable Procedure

Remove the 4 parameters that were added to the **tm.conf** file in step 11 and reboot the reader.

```
debian@beaglebone:~$ sudo vim /tm/etc/tm.conf
   net_interface='wlan0'
   wpa_ssid_wlan0=' WiFi-UserName'
   wpa_psk_wlan0 = ' WiFi-Password'
   iface_wlan0='dhcp’
```