

Getting Started with P1020RDB/WLAN Wi-Fi Access Point (AP) Router

Figure 1 displays the external view of P1020WLAN. The P1020WLAN Wi-Fi Access Point Router features the Freescale P1020 processor. The left figure displays the front of the unit (LED's) and SD slot with identifier labels below it, while the right figure displays the back of the unit along with the reset button and the connectors as well as respective labels.

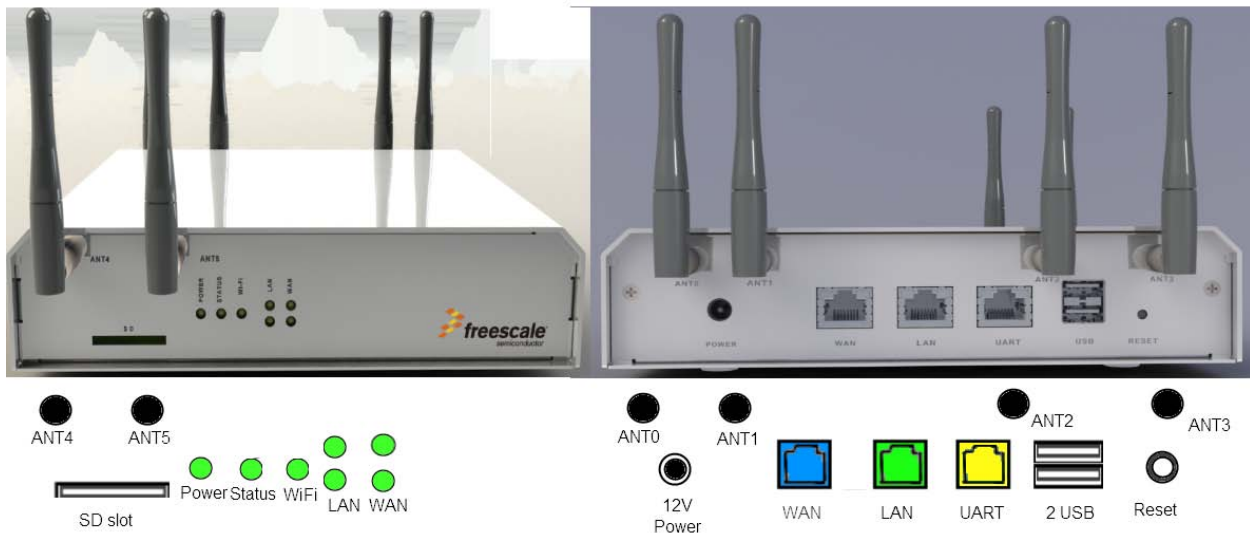


Figure 1: P1020WLAN Wi-Fi Access Point (AP) Router

Figure 2 displays the external view of P1020RDB. The P1020RDB Wi-Fi Access Point Router features the Freescale P1020 processor. The left figure displays the front of the unit (LED's) and the reset button with identifier labels below it, while the right figure displays the back of the unit along with the connectors as well as respective labels.



Figure 2: P1020RDB Wi-Fi Access Point (AP) Router

Step 1: Confirm the items listed in the packing list match the items in the package.

Step 2: Plug in the power cable.

Step 3: Connect the serial cable – one end to UART and other end to your computer's COM port.

Step 4: Click **Windows Start > Program > Accessories > Communications > HyperTerminal** to enter Terminal Shell for command configuration. [optional]

Step 5: Connect the Ethernet cable – one end to LAN and other end to your computer's RJ45 network port.

Step 6: Power on the device.

Step 7: Open an Internet browser (make sure to turn off the proxy server settings in **Internet Properties > Connections --> LAN settings**) type <http://192.168.1.1> in the address field, and then press **Enter**.

Step 8: To log-in, enter the User name as **root** and the default password as **root**.

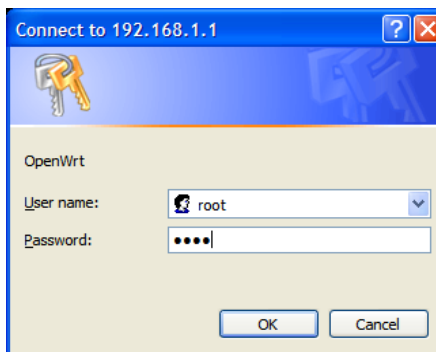


Figure 3: Log-in Window

The System Information page appears.



Figure 4: System Information Page

NOTE

The detailed information given in [Figure 4](#) is a subject to change without notification.

For more detailed description, please refer to the User Manual.

RELEASE INFORMATION

Given below is the release information:

U-Boot: 2009.11-00019-g87ce628

Linux Kernel: 2.6.32 #2 SMP

GCC Tool Chain: gcc-4.3.2 eglibc-2.8 for e500v2 cores

APPENDIX

Perform the following assembly instructions to install Wi-Fi card with three antennas.

1. Find mPCIe slot on the board, as shown in [Figure 5](#) for P1020WLAN or [Figure 6](#) for P1020RDB.
2. Remove the screw in the two red circles on mPCIe slot shown in [Figure 5](#) or [Figure 6](#).

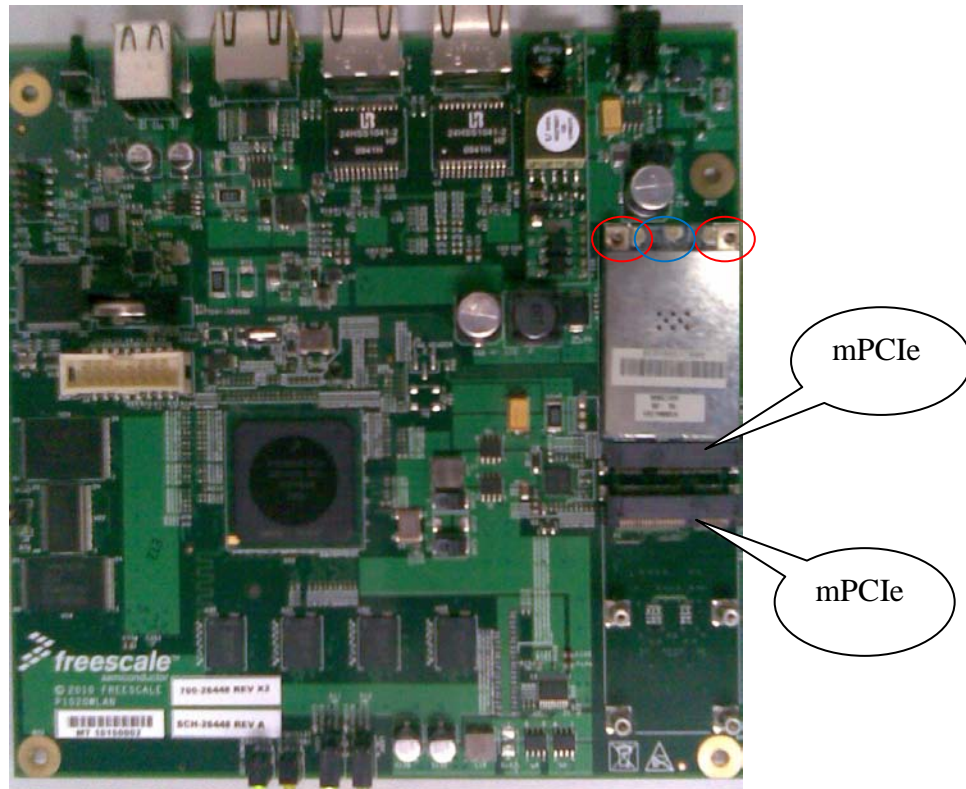


Figure 5: Install P1020 WLAN Wi-Fi card on mPCIe slot

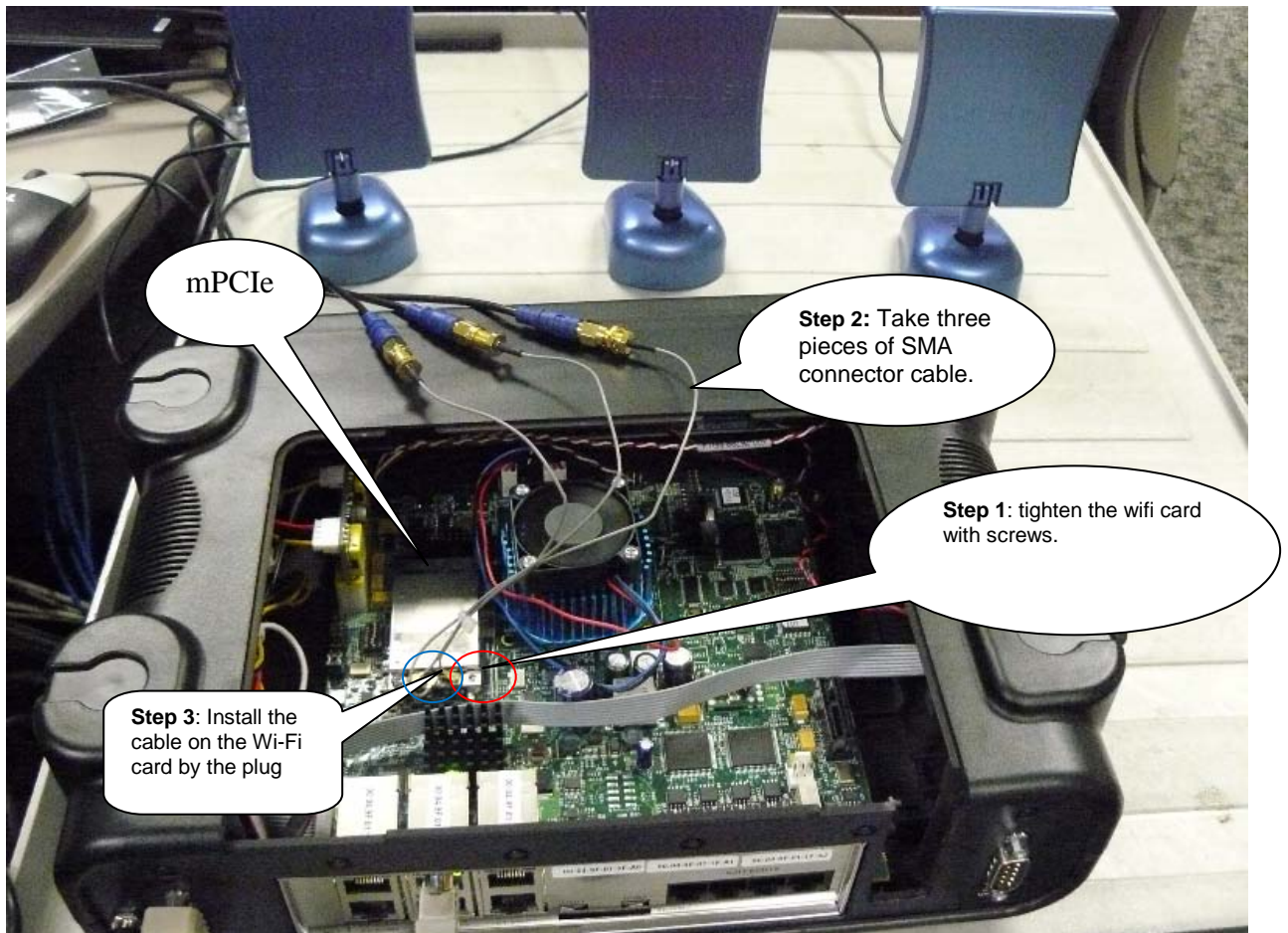


Figure 6: P1020RDB Box with Atheros module on mPCIe

3. Insert the Wi-Fi card at a 45 degree.
4. Push down and tighten the Wi-Fi card using the screw.
5. Connect the antenna cables to WiFi card connector showing in blue circle in [Figure 5](#) or [Figure 6](#).