Configuring to Infrastructure or ad hoc mode.

8. The `configure.htm` page allows the Wi-Fi Comm Demo Board to scan for nearby networks. After scanning, one of the networks from the scanned list can be connected by selecting the network's SSID and then entering the security key, if it is required.
9. The Wi-Fi Comm Demo Board will then reconfigure and connect to the chosen network. To connect to the Wi-Fi Comm Demo Board from the client device, such as laptop, iPod Touch/ iPhone/ iPad and so on, the client device must be connected to the same network where Wi-Fi Comm Demo Board has moved.

Resetting to the factory default settings.

10. The demonstration will always attempt to connect to the last known network. To reset the board slide the power switch S1 to the OFF position and then bring it back to the ON position.

Americas

Atlanta - 678-957-9614
Boston - 774-760-0087
Chicago - 630-285-0071
Cleveland - 216-447-0464
Dallas - 972-818-7423
Detroit - 248-538-2250
Indianapolis - 317-773-8323
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Austria - Wels - 43-7242-2244-39
Denmark - Copenhagen - 45-4450-2828
France - Paris - 33-1-69-53-63-20
Germany - Munich - 49-89-627-144-0
Italy - Milan - 39-0331-742611
Netherlands - Drunen - 31-416-690399
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Asia/Pacific

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China - Hong Kong SAR - 852-2401-1200
China - Nanjing- 86-25-8473-2460
China - Qingdao - 86-532-8502-7355
China - Shanghai - 86-21-5407-5533
China - Shenyang - 86-24-2334-2829
China - Shenzhen - 86-755-8203-2660
China - Wuhan - 86-27-5980-5300
China - Xiamen - 86-592-2388138
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China - Zhuhai - 86-756-3210040
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Malaysia - Kuala Lumpur - 60-3-6201-9857
Malaysia - Penang - 60-4-227-8870
Philippines - Manila - 63-2-634-9065
Singapore - 65-6334-8870
Taiwan - Hsin Chu - 886-3-6578-300
Taiwan - Kaohsiung - 886-7-213-7830
Taiwan - Taipei - 886-2-2500-6610
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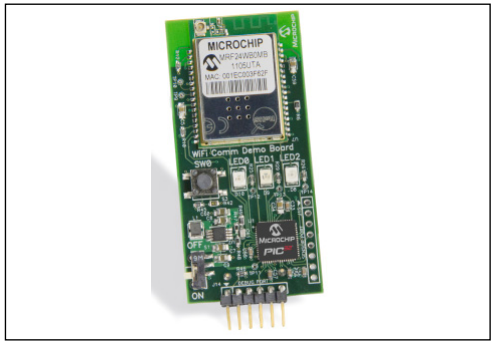
DS52060A

Wi-Fi Comm Demo Board Information Sheet

Overview

The Wi-Fi Comm Demo Board demonstrates how to enable Wi-Fi capability to an embedded application. The Wi-Fi Comm Demo Board is as shown in Figure 1. The pre-programmed demonstration shows various Wi-Fi functionalities and features that are supported by the MRF24WB0MA RF Transceiver module. To obtain the source code and User's Guide for the Wi-Fi Comm Demo Board, please visit http:// www.microchip.com/wireless.

FIGURE 1: Wi-Fi COMM DEMO BOARD



Wi-Fi Comm Demo Board Contents

The Wi-Fi Comm Demo Board kit contains:

- Wi-Fi Comm Demo Board
- Wi-Fi Comm Demo Board Information Sheet

Getting Started

To run the demonstration, follow these steps:

Creating an ad hoc network using the demonstration board.

1. On powering, the demonstration board broadcasts an ad hoc network with Service Set Identifier (SSID) `MCHP_xxxx`. Where, `xxxx` is the last four digits of the MRF24WMB0MA RF Transceiver module's MAC address.
2. Check printed label on the MRF24WMB0MA RF Transceiver module, for example, if MAC address is 001EC001E627 then ad hoc SSID is MCHP_E627.

Connecting to the demonstration board from a client device.

3. Connect a client device, such as laptop, iPod® Touch/iPhone®/iPad® and so on, to the `MCHP_xxxx` ad hoc network after the connection to the demonstration board has created.

Note:	If it is unable to establish a connection, ensure that the client device's subnet mask is set to 255.255.0.0.

Opening the web pages served by the board.

4. On connecting, use a standard web browser and enter the static IP address of the Wi-Fi Comm Demo Board (http://169.254.1.1).
5. The web browser will display a web page from the embedded web server running on the Wi-Fi Comm Demo Board. The `index.htm` page contains additional information on Wi-Fi Comm Demo Board application, and it also continuously shows the status of the three LEDs (LED0, LED1 and LED2) and push button on the demonstration board.
6. Click any one of the LED icons on the web page. The corresponding LED button will toggle ON or OFF on the Wi-Fi Comm Demo Board.
7. If the SW0 button is pressed on the demonstration board, the button icon on the web page will change its state accordingly.