

# SN8200 EVK+ / SN8200UFL EVK+ Quick Start Guide

## IMPORTANT NOTE:

For access to all available firmware, data, sample code, instructions and other key information, please register at [www.murata-ws.com](http://www.murata-ws.com) with the following case sensitive code: **MuReg8200UrB**

## Introduction

The SN8200/SN8200UFL EVK+ is designed to facilitate the evaluation of and software development for the SN8200/SN8200UFL Wi-Fi Network Controller Module. It offers an easier connection to the customer's target host device and supports more overall software features.

Major improvements from the previous SN8200 EVK include:

- In addition to Murata SN82XX SNIC Serial-to-Wi-Fi software, the latest EVK+ supports
  - Murata EZ Web Wizard software, and
  - Broadcom WICED software development kit
- Jumper switches to easily connect the on-board module to customer target host MCU/CPU
- On-board serial flash for OTA software development
- The SN8200UFL EVK+ supports the SN8200UFL module which has on-board U.FL connector to attach to external antenna. The following antennas are included: Microchip TRF1002 (+5dBi) and Pulse Electronics W1049B050 (+2dBi). The +2dBi antenna must be used for ETSI compliant applications.

The compatible software releases available for each version of the Development Kit are below.

Available Software	SNIC Interface	SN8200 EVK+	SN8200UFL EVK+
SNIC-UART-01-xxxxx	UART	√	
SNIC-SPI-01-xxxxx	SPI	√	
SNIC-EWW-02-xxxxx	UART, EZ Web Wizard	√	
SNIC-8200-03-xxxxx	UART, SPI, EZ Web Wizard	√	√
Broadcom WICED SDK		√	√

Please contact your local Murata sales representative or Murata distribution partner to ensure you are purchasing the correct version of the kit.

Note: The SN8200/SN8200UFL EVK+ comes preloaded with Murata's EZ Web Wizard software (SNIC-8200-xx package) configured for operation in the United States. To configure the firmware for a different country or to utilize other software packages, please follow the specific user guide documents within that software package to configure and load that firmware to the module.

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## Installation

The SN8200 Development Kit+ (88-00151-95) or the SN8200UFL Development Kit+ (88-00151-97) can be used to assess the wireless networking capabilities of the Wi-Fi network controller module. It consists of at least an evaluation board (SN82XX EVB), mini-USB cable and installation CD which includes the Windows drivers, Simple Network Interface Controller (SNIC) monitor, open source information and user guides. For the SN8200UFL Development Kit+, external antennas are included which make connection to the U.FL connector on the module.

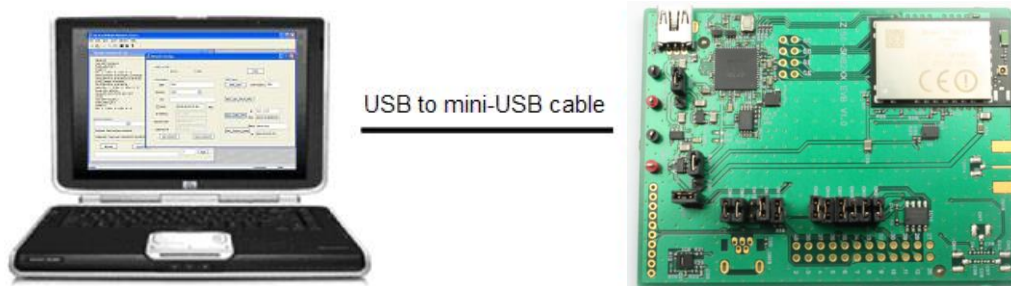


Figure 1 Example: SN8200 EVK+ Configuration

To enable the EVK, the following steps must be performed:

1. Download and extract the EVK+ installation package (SNIC-8200-03-xxxxx) on a computer with Windows XP (SP3) or Win7. The package is shipped as a self-extracting executable file. Execute that file and accept the Software License Agreement (SLA) to save the contents to the computer in the *<Install Folder>* you specify. The default *<Install Folder>* is *C:\SNIC*. Please remove any existing files from that directory for a clean installation.
2. For the SNIC-8200-03-xxxxx software:
  - Follow the steps detailed in Section 2.3 of the “SN8200 SNIC EVK+ User Guide” in the *<Install Folder>\Documents* subdirectory to install the PC drivers.
  - Depending on the FW used, consult the appropriate user manual:
    - SNIC\_UART: “SN82XX SNIC UART Serial Interface User Manual” in the subdirectory *<Install Folder>\SNIC\_UART\Documents*.
    - SNIC\_SPI: “SN82XX SNIC SPI Serial Interface User Manual” in the subdirectory *<Install Folder>\SNIC\_SPI\Documents*.
    - SNIC\_EWW: “SN82XX SNIC EZ Web Wizzard User Manual” in the subdirectory *<Install Folder>\SNIC\_UART\Documents*.

**If the Wi-Fi SoftAP security is enabled, the default password is “1234567890”.**