SN8200 EVK+
Wi-Fi Module Evaluation Kit

Module Block Diagram

The SN8200 EVK+ facilitates evaluation of and software development around the SN8200 Wi-Fi Network Controller Module. Major enhancements from the previous SN8200 EVK include:

- *Support for the latest Murata EZ Web Wizzard™ software as well as all previous software releases*
- *Support of the Broadcom WICED SDK*
- *Jumper switches that easily connect the on-board module to the customer's target host MCU/CPU*
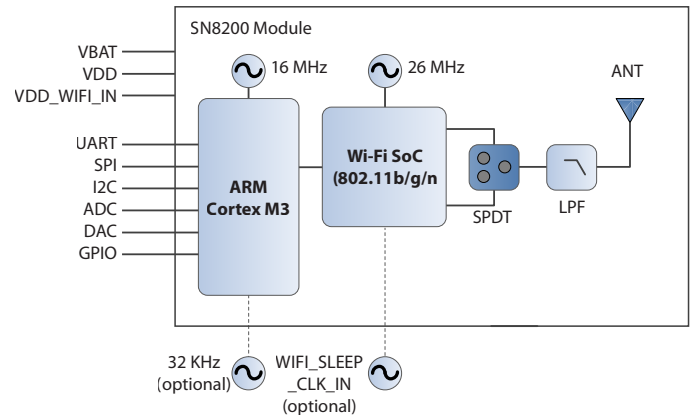- *On-board serial flash for OTA software development*

SN8200 Module Features

- *2.4GHz IEEE 802.11b/g/n*
- *Wi-Fi® Chipset: Broadcom BCM43362*
- *MCU: ST Microelectronics STM32 ARM Cortex-M3*
- *Supports WPA/WPA2 PSK*
- *Supports built-in TCP/IP Stack, HTTP, Javascript, and Web Server with SNIC software package*
- *Supports AP/STA Dual mode*
- *Supports custom web pages with Murata EZ Web Wizzard™ Software*
- *Supports Broadcom WICED SDK 2.2*

Applications

- *Home Automation & Home Energy Management Systems*
- *Smart Appliances*
- *Industrial Control and Monitoring*
- *Medical and Healthcare*

Module Specifications

Technology	2.4GHz IEEE 802.11b/g/n
Antenna Configuration	On-board
Transmit power	+18 dBm @b mode/11Mpbs
Max receive sensitivity	-96dbm
Host Interface	UART, SPI
Sensor applications support	GPIO, I2C, ADC, DAC
Operating Temperature	-30ºC to +85ºC

Module Dimensions (mm)

L	W	H
30.5±0.2	19.4±0.2	2.8±0.2

Note: Information in this brief is subject to change without notice.

Reset button

Mini-USB connector

SN8200 module

V_{EXT}

Serial flash

CN2 (V_{EXT} on right)

Serial flash interface

Power indicator

CN3

UART interface

CN4 (VDD_3V6)

SHT21 sensor
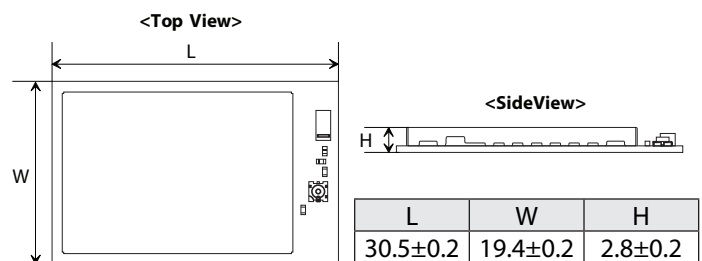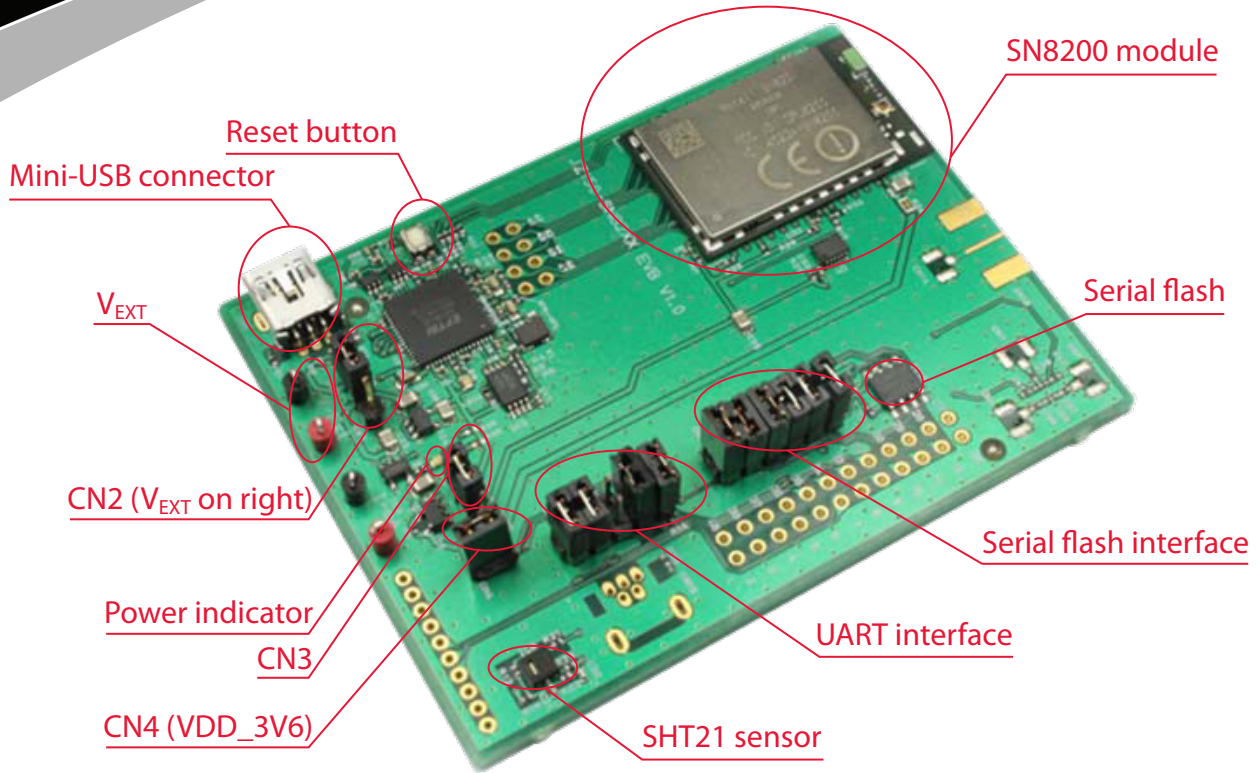
Evaluation Board Features

- *SN8200 Wi-Fi Network Controller*
- *Mini-USB connector supporting USB-JTAG and USB-serial interfaces*
- *Pads for headers to access the I/O pins of the SN8200 module*
- *Serial flash (8M bits) and interface header*
- *SHT21 temperature and relative humidity sensor*
- *UART interface header*

Ordering Information

Model Number	Description	Part Number
SN8200	Module	88-00151-00
SN8200 EVK+	Evaluation Kit	88-00151-95