 Suga Electronics Limited

802.11b/g/n(1T1R) STA WIFI module

User Manual

Model: SWN80MA-6

Version: 1.1

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Contents

SUGA Suga Electronics Limited

1. FCC & ISEDC Statement

1.1. FCC Caution

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

1.2. FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

1.3. ISEDC Warning

RSS (Category I Equipment):

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil nedoit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.
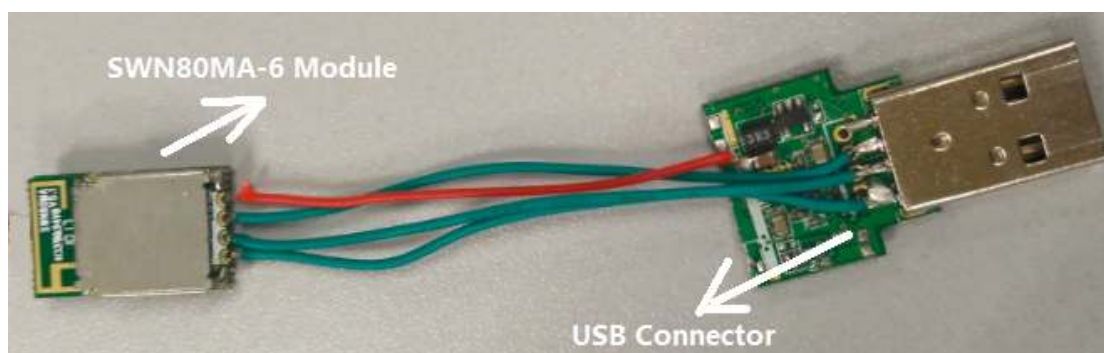
ISEDC Radiation Exposure Warning

This equipment complies with ISEDC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet appareil est conforme aux limites d'exposition aux rayonnements définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.

2. Hardware Installation

2.1. Hardware Installation Procedures

2.1.1. Plug SWN80MA-6 module into the USB port of the PC, shown as below.

3. Software Installation

3.1. STA Windows driver installation

3.1.1. Install SWN80MA-6 STA window's driver and Realtek USB wireless LAN utility into the PC, shown as below:

Information in this document is subject to change without prior notice.

4. Example: Associate SWN80MA-6 module with a router for surfing the internet

4.1. Router setting

Connect the router to internet by WAN
SSID: Buffalo-G-DCD8
Mode: b/g/n mixed mode
Bandwidth: 20/40MHz Auto
Encryption: WPAPSK/AES
Password: odm0123456789

4.2. Associate SWN80MA-6 with the router

Open the "Realtek USB wireless LAN utility" in the desktop, the icon shown as below:

Click the option "SSID", then double click "Buffalo-G-DCD8", shown as below:

1F MES	1	AES	WPA2 PSK	26%
Chairman's Office	1	AES	WPA PSK/WPA2 PSK	44%
DQA3	1	AES	WPA PSK/WPA2 PSK	64%
Suga 2F	1	TKIP/AES	WPA PSK/WPA2 PSK	48%
Buffalo-G-DCD8	2	AES	WPA2 PSK	100%
ChinaNet-5zQL	6	TKIP/AES	WPA PSK/WPA2 PSK	48%
Suga 2F	6	TKIP/AES	WPA PSK/WPA2 PSK	48%
Suga 2F	11	TKIP/AES	WPA PSK/WPA2 PSK	24%
Suga 2F	11	TKIP/AES	WPA PSK/WPA2 PSK	56%
Suga Customers	11	AES	WPA PSK/WPA2 PSK	26%

Enter the password "odm0123456789", then click"OK".
Several seconds later, SWN80MA-6 module will connect to the router
Buffalo-G-DCD8 successfully, then you can enjoy your internet surfing.

5. Device Labeling

The host device containing this module must either:
(1). Make the module label visible so that the FCC/IC ID is visible in the end construction.
(2). Label the end product with the FCC ID and IC ID of the module. For example:
"Contain FCC ID: VZFSWN80MA6" and "Contain IC: 10609A-SWN80MA6".

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6. Disclaimer

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