ENGLISH

THE FOLLOWING APPLIES IN THE U.S.A. AND CANADA

This device complies with Part 15 of FCC Rules and RSS-Gen of IC 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 of this device.

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

This product is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range.

FCC and IC require this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems. High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this product.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices.

There is no proof, however, that these low power wireless devices are absolutely safe.

Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used.

Whereas high levels of RF can produce health effects (by heating tissue), exposure to low-level RF that does not produce heating effects causes no known adverse health effects.

Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research.

Wireless LAN adaptor has been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

Federal Communication Commission Interference Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

☐ Reorient or relocate the receiving antenna.

☐ Increase the separation between the equipment and receiver.

☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

☐ Consult the dealer or an experienced host product technician for help.

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.

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

THE FOLLOWING APPLIES ONLY IN CANADA.

This Class B digital apparatus complies with Canadian ICES-003.

Product Identification Marking is located on the top of the Wireless Module.

Federal Communication Commission (FCC) /IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999/ IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C/ IEEE 1528. This equipment should be installed and operated with minimum distance 0.5cm between the radiator & your body.

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

End Product Labeling:

The final end product must be labeled in a visible area with the following: "Contains FCC ID: H8N-WLU5540B-NB"

This device is intended only for OEM integrators under the following conditions:

1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and 2) The transmitter module may not be co-located with any other transmitter or antenna. As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as show in this manual.

NCC

802.11b/802.11g 警語：

第十二條→經型式認證合格之低功率射頻電機，非經許可，公司，商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條→低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

802.11a 警語：

在 5.25-5.35 秭赫頻帶內操作之無線資訊傳輸設備，限於室內使用。 (4.7.5)

無線資訊傳輸設備忍受合法通信之干擾且不得干擾合法通信；如造成干擾，應立即停用，俟無干擾之虞，始得繼續使用。 (4.7.6)

無線資訊傳設備的製造廠商應確保頻率穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中。(4.7.7)

依LP0002 第4.7 節規定型式認證之UNII 器材(含具第4.7 節功能之手機或平版電腦)，均應於使用手冊或說明書標示第4.7.9.1 節規定警語「應避免影響附近雷達系統之操作」

UNII 產品不具備外接或替換天線時，得不標示第4.7.9.2 節警語「高增益指向性天線只得應用於固定式點對點系統」，其餘之 UNII 器材應於使用手冊或說明書標示該警語。

本模組於取得認證後將依規定於模組本體標示審驗合格標籤。

系統廠商應於平台上標示「本產品內含射頻模組：XXXyyyLPDzzzz-x (NCC ID)」字樣。

Caution

Be aware of the following limits before using the Wireless Module.

● To use the Wireless Module, an access point needs to be obtained.

● Do not use the Wireless Module to connect to any wireless network (SSID*) for which you do not have usage rights. Such networks may be listed as a result of searches. However, using them may be regarded as illegal access.

*SSID is a name for identifying a particular wireless network for transmission.

● Do not subject the Wireless Module to high temperatures, direct sunlight or moisture.

● Do not bend, or subject the Wireless Module to strong impacts.

● Do not disassemble or alter the Wireless Module in any way.

● Do not attempt to install the Wireless Module in any incompatible device.

● Do not remove the Wireless Module from the host product during operations.

● Data transmitted and received over radio waves may be intercepted and monitored.

● To avoid malfunctions caused by radio wave interface, keep the host product away from the devices such as other wireless LAN devices, microwaves and the devices that use 2.4 GHz and 5 GHz signals when using the Wireless Module.

● When noises occur due to the static electricity, etc., the host product might stop operating for the protection of the devices. In this case, turn the host prodcut Off with Mains power On / Off switch, then turn it On again.

● Depending on the area, this Wireless Module may not be available.

Setup the wireless LAN connection

Confirm the encryption key, settings and positions of your access point before starting setup. For details, read the manual of the access point.

(1) connect the Wireless LAN Adaptor to the USB port.

(2) Select the connection type and set.

      Connection Type

            WPS(Push button)

            WPS(PIN)

            Search for access point

            Manual

(3-1) WPS(Push botton)

      Press the WPS button on the access point until the light flashes.

      And then, press the OK button.

(3-2) WPS(PIN)

      Select your desired access point.

      Enter the PIN code to the access point, and then select.

(3-3) Search for access point

      Access points found automatically are listed.

      Select your desired access point.

      Access the encryption key input mode.

      Enter the encryption key of the access point.

(3-4) Manual

      You can setup SSID, authentication type, encryption type, and encryption key manually. Follow the on screen instructions and set manually.

Specifications

Host Interfaces	USB2.0
Form factor	Module
Chipset	MEDIATEK　MT7668BUN
Supports Power	5.0V
Network Standards	WLAN IEEE802.11 a/b/g/n/ac 2x2 standards
Modulation Techniques	BPSK, QPSK, CCK, 16QAM, 64QAM, 256QAM
Modulation Technology	OFDM, DSSS, FHSS
Data Rate	IEEE802.11b: 11, 5.5, 2, 1 Mbps IEEE 802.11a/g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11n: Up to MCS15 IEEE 802.11ac: Up to MCS9
Antenna Type	2 PCB pattern antennas for WLAN
Operating Frequencies	802.11b/g/n:2.412 -2.462 GHz 802.11a/n/ac :5.15 -5.825MHz
Homogenous	RoHS
Module dimension	102.0mm x 24.5mm

*1 The frequency and channel differ depending on the country.

*2 802.11b/g/n CH1 ~ CH11 only use for North America, Canada, and Taiwan.

*3 Transfer rate are theoretical values; however, actual communication rate will vary according to communication environment or connected equipment.