

EW-7822GMn

300N Wireless LAN USB Module

Mini-Size, up to 300Mbps

IEEE 802.11b/g/n, 2T2R

Feature

- Comply with IEEE 802.11b/g/n standards.
- High transfer data rate – up to 300Mbps.
- Supports WMM wireless QoS feature.
- Supports 64/128-bit WEP, WPA, WPA2 with IEEE 802.1x functions for high level of security.
- Support the most popular operating system: Windows XP/Vista/7.
- Supports WPS (WiFi Protected Setup) hardware button for easy connection.
- Supports software AP function.
- Supports USB 2.0/1.1 interface.
- Portable and mini size design.
- Green power saving.

Specification

Product	300N Wireless LAN USB Module
Main Chip	Realtek RTL8192CU
Standard	IEEE 802.11b/g/n
Bus Type	USB 2.0 Type A
Frequency Band	2.4000~2.4835GHz (Industrial Scientific Medical Band)
Data Rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/24/36/48/54Mbps 11n (20MHz): MCS0-15, up to 144Mbps 11n (40MHz): MCS0-15, up to 300Mbps
Output Power	11n: 21dBm±1.5dBm 11g: 19dBm±1.5dBm 11b: 14.5dBm±1.5dBm
Security	WEP 64/128, WPA, WPA2, IEEE 802.1x
Antenna	Chip Antenna x 2 (2T2R)
Drivers	Windows XP/Vista/7
LED	Link/Activity
Dimension	9.5(H) x 19.2(W) x 56(D) mm
Temperature	Operating: 32~104°F (0~40°C) , Storage: -4~140°F (-20~60°C)
Humidity	Operating: 10~90% (Non-Condensing) Storage: Max. 95% (Non-Condensing)
Certification	47 CFR FCC Part 15 Subpart B, Class B 47 CFR FCC Part 15 Subpart C & 15.247 Canada Standard ICES-003 Issue 5, Class B IC RSS-210 Annex 8

FCC Statement:

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 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 radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

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.

IMPORTANT NOTE:

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. If the size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the users manual: This device complies with Part 15 of 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.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: HED7822GMN ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.