



PRODUCT MODEL (HVIN): WC6PA2201

PRODUCT DESCRIPTION (PMN): WIFI Module

SAFETY REGYLATION:

1. shall not arbitrarily change the frequency of transmission, increase the transmission power (including the installation of radio frequency power amplifier);
2. it is not allowed to cause harmful interference to all kinds of legal radio communication. Once it is found that there is interference, it should be stopped immediately, and measures can be taken to eliminate interference before continuing to use it;
3. must be able to resist radiation interference of various radio or industrial / scientific / medical applications;
4. may not be used near airplane or airports.

NOTICE:

1. please keep this product and accessories attached to the places which children can't touch;
2. do not splash water or other liquid onto this product, otherwise it may cause damage;
3. do not put this product near the heat source or direct sunlight, otherwise it may cause deformation or malfunction;
4. please keep this product away from flammable or naked flame;
5. please do not repair this product by yourself. Only qualified personnel can be repaired.

FEATURES:

1. Compatible with IEEE 802.11b standard to provide wireless 11Mbps data rate.
Compatible with IEEE 802.11g standard to provide wireless 54Mbps data rate.
Compatible with IEEE 802.11a standard to provide wireless 54Mbps data rate.
Compatible with IEEE 802.11n standard to provide wireless 300Mbps data rate.
Compatible with IEEE 802.11ac standard to provide wireless 866.7Mbps data rate.
2. Support 20MHz, 40MHz, 80MHz in 5GHz band, and 20MHz,40MHz bandwidth in 2.4GHz band
3. The modulation type are DQPSK, DBPSK and CCK with DSSS to 802.11b; QPSK, BPSK,16QAM,64QAM with OFDM to 802.11g/a/n; QPSK, BPSK, 16QAM, 64QAM, 256QAM with OFDM to 802.11ac;
4. Supports external PA and LNA with control logics.
5. Operation at 2.4~2.4835GHz, 5.15~5.25GHz, 5.25~5.35GHz, 5.47~5.725GHz (For Canada Not including 5.60 ~ 5.65GHz) and 5.725~5.85GHz frequency band to meet worldwide regulations.
6. Provides simple legacy and 20MHz/40MHz/80MHz co-existence mechanisms to ensure backward and network compatibility.
7. Friendly user configuration and diagnostic utilities
8. Drivers support Windows7.LINUX
9. High speed USB 2.0 interface for WLAN
10. RoHS compliant
11. Transmit power no more than 1000mW
12. Voltage is 3.3VDC



Compliance Information

FCC Statement

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.

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

Note: 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 radio/television technician for help.

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 devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. Modular could be only used in mobile or fix device, and could not be used in any portable device.

The module must be installed in TV set.

In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

The end product must carry a label stating "Contains FCC ID: 2AC23-WC6PA2201" or shall use e-labeling.

The device is going to be operated in 5150~5250MHz frequency range. It is restricted indoor environment only.

FCC Radiation Exposure Statement



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

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body.

Canadian ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans 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 ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 RF, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de RF.

This equipment should be installed and operated with minimum distance 7.9 inches (20 cm) between the radiator & your body.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm (7,9 pouces) entre le radiateur et votre corps.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

A host product shall use a physical label stating "Contains IC: 12290A-WC6PA2201" or shall use e-labeling

Un produit hôte doit utiliser une étiquette physique indiquant " Contient IC : 12290A-WC6PA2201 " ou doit utiliser un étiquetage électronique.



This radio transmitter [IC: 12290A-WC6PA2201] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna type	Frequency	Max. Antenna gain (dBi)	
		Antenna 0	Antenna 1
PIFA Antenna	2412MHz to 2472MHz	2.02	2.29
	5150 MHz to 5250 MHz	2.95	4.60
	5250 MHz to 5350 MHz	3.26	4.06
	5470 MHz to 5725 MHz	4.52	4.60
	5725 MHz to 5850 MHz	4.56	4.32

Le présent émetteur radio [IC: 12290A-WC6PA2201] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Types d'antenne	fréquences	gain maximal d'antenne (dBi)	
		d'antenne 0	d'antennes 1
PIFA d'antenne	2412MHz à 2472MHz	2.02	2.29
	5150 MHz à 5250 MHz	2.95	4.60
	5250 MHz à 5350 MHz	3.26	4.06
	5470 MHz à 5725 MHz	4.52	4.60
	5725 MHz à 5850 MHz	4.56	4.32

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Then it will scan the available radio signals. If this signal is connected before, it will be automatically connected, otherwise manual connections will be necessary.

L'appareil doit automatiquement interrompre la transmission en cas d'absence d'informations à transmettre, ou de panne opérationnelle. Ensuite, il va scanner les signaux radio disponibles. Si ce signal est connecté auparavant, il sera automatiquement connecté, sinon des connexions manuelles seront nécessaires.