

WIFI MODULE
IEEE 802.11g/b
Model No: **WL0159**

Product Specification

Standard	IEEE802.11g; IEEE 802.11b
Modulation Type	OFDM with BPSK, QPSK, 16QAM,64QAM (11g) BPSK, QPSK, CCK (11b)
Interface	4PIN Interface
Frequency	2.4~2.4835 GHz
Transmission Distance	Indoor up to 100m , outdoor up to 300m (it is limited in an environment)
Data Rate	11b 1/2/5.5/11Mbps 11g 6/9/12/24/36/48/54Mbps Auto fallback
Transmit Power	15 dBm (Typical)
Data Security	64/128-bit WEP Data Encryption, WPA (TKIP with IEEE 802.1x) and AES
LED Indicator	Link/Activity
Operating Temperature	0 ~ 55°C
Storage	-40°C~70°C (-40°F~158°F)
Humidity	5 ~ 95% non-condensing
Operating System	Windows 2000, XP32/64, Vista32/64, Linux,Mac

Product Description

ZC-WL0159 is a high-gain wireless PIN Interface adapter which provides a simple and easy way to add or upgrade wireless connectivity to your desktop or notebook computer. You can just plug it into computer's A-type USB 2.0 Connector port and enjoy incredible high-speed wireless network access.

Product Features

- ❖ Complies with IEEE 802.11g; 802.11b standard for 2.4GHz Wireless LAN.
- ❖ Supports Ad-Hoc/Infrastructure modes
- ❖ Supports PC Card hot-SWAP and true Plug & Play.
- ❖ Works with all existing network infrastructure.
- ❖ Supports Wi-Fi Protected Setup (WPS) configuration function
- ❖ Capable of up to 128-Bit WEP Encryption.
- ❖ Freedom to roam while staying connected.
- ❖ 22-Mbps Packet Binary Convolution Coding (PBCC) (according to the IEEE Std 802.11b high-rate specification).
- ❖ UP to 54 Mbps High-Speed Transfer Rate in 802.11g mode of operation.
- ❖ Rich diagnostic LED indicators with Integrated Antenna.
- ❖ Supports Windows 2000, XP32/64,Vista32/64, Linux,Mac
- ❖ Low power consumption.
- ❖ Easy to install and configure.

Products Overview

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FCC 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 radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of FCC RF Rules. 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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

1. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This compliance to FCC radiation exposure limits for an uncontrolled environment, and minimum of 20 cm separation between antenna and body.
3. Only the type of chip antenna tested may be used.
4. The end product must carry a label stating "Contains TX FCC ID: X7D-WL0159".