

**Manual**  
**UNIHAN**  
**UPWL6028F**

## 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:

- i. Reorient or relocate the receiving antenna.
- ii. Increase the separation between the equipment and receiver.
- iii. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- iv. Consult the dealer or an experienced radio/TV technician for help.

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

- i. This device may not cause harmful interference, and
- ii. 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 is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

## Safety statements

### Regulatory Information/Disclaimers

Installation and use of this Bluetooth device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

**CAUTION!** 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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. Reprinted from the Code of Federal Regulations #47, part 15.193, 1993. Washington DC: Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office.

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

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: UPWL6028F".

## **IC**

This device complies with Industry 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.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 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 module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains transmitter module IC: 7582A-UPWL6028F".

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

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

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna General Information						
No.	Ant. Cat.	Ant. Type	Brand	Part No.	Gain (dBi)	
					2.4G	5G
1	Integral	PCB	Wanshih	UC3WFI0063	2.04	4.62
2	Integral	PCB	Wanshih	UC3WFI0064	3.90	4.48
3	Integral	PCB	Wanshih	UC3WFI0072	2.04	6.21
4	Integral	PCB	Wanshih	UC3WFI0073	5.72	4.93
5	Integral	PCB	Wanshih	UC3WFI0080	4.72	-
6	Integral	PCB	Wanshih	UC3WFI0081	5.65	-
7	Integral	PCB	Wanshih	UC3WFI0082	-	5.16
8	Integral	PCB	Wanshih	UC3WFI0083	-	6.36
9	Integral	PCB	Hong-lin	260-23396	2.32	3.91
10	Integral	PCB	Hong-lin	260-23397	4.64	4.53
11	Integral	PCB	Hong-lin	260-23042	4.36	6.22
12	Integral	PCB	Hong-lin	260-23403	4.40	6.00
13	Integral	PCB	Hong-lin	260-23432	2.58	-
14	Integral	PCB	Hong-lin	260-23434	4.36	-
15	Integral	PCB	Hong-lin	260-23433	-	5.60
16	Integral	PCB	Hong-lin	260-23435	-	6.22
17	Integral	PCB	Airgain	N2420DS (10cm)	3.10	-
18	Integral	PCB	Airgain	N2420DS (27cm)	3.10	-
19	Integral	PCB	Airgain	N2420 (10cm)	3.30	-
20	Integral	PCB	Airgain	N2420 (40cm)	3.30	-
21	Integral	PCB	Airgain	N5x20SC (15cm)	-	1.90
22	Integral	PCB	Airgain	N5x20SC (19cm)	-	1.90
23	Integral	PCB	Airgain	N5x20SC (23cm)	-	1.90
24	Integral	PCB	Airgain	N5x20SC (27cm)	-	1.90

EUT is consist of multiple antenna models assembly (multiple antenna models are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. Then Ant. No. 4 shall be performed the radiated test.

## ■ System requirements

Before installing the PEGATRON WIFI module, make sure that your system meets the following requirements:

- Intel® Pentium® 4 or AMD K7/K8 system
- Minimum 64MB system memory
- Windows® XP/VISTA operating system
- An available USB port (USB 2.0 recommended because USB 1.1 cannot achieve maximum wireless performance)

## ■ Installing the device drivers

To install the device driver in your computer:

Insert the support CD to the optical drive and follow the following procedure.

	<p>Step1. Click the “Next” button.</p>
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## Found New Hardware Wizard

Please choose your search and installation options.



Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

Search removable media (floppy, CD-ROM...)

Include this location in the search:

K:\Divice driver\Broadcom\BCM43227\_BCM43228\

Browse

Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

< Back

Next >

Cancel

Step2. Browse the file path and click the "Next" button.

## Hardware Installation



The software you are installing for this hardware:

Broadcom 802.11n 網路卡

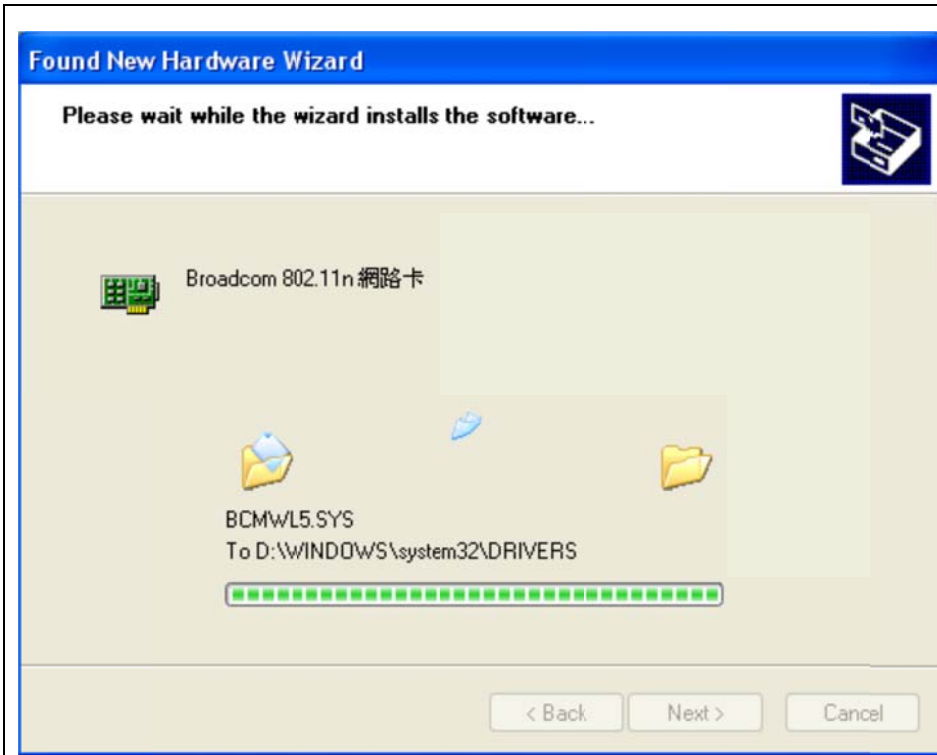
has not passed Windows Logo testing to verify its compatibility with Windows XP. ([Tell me why this testing is important.](#))

**Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.**

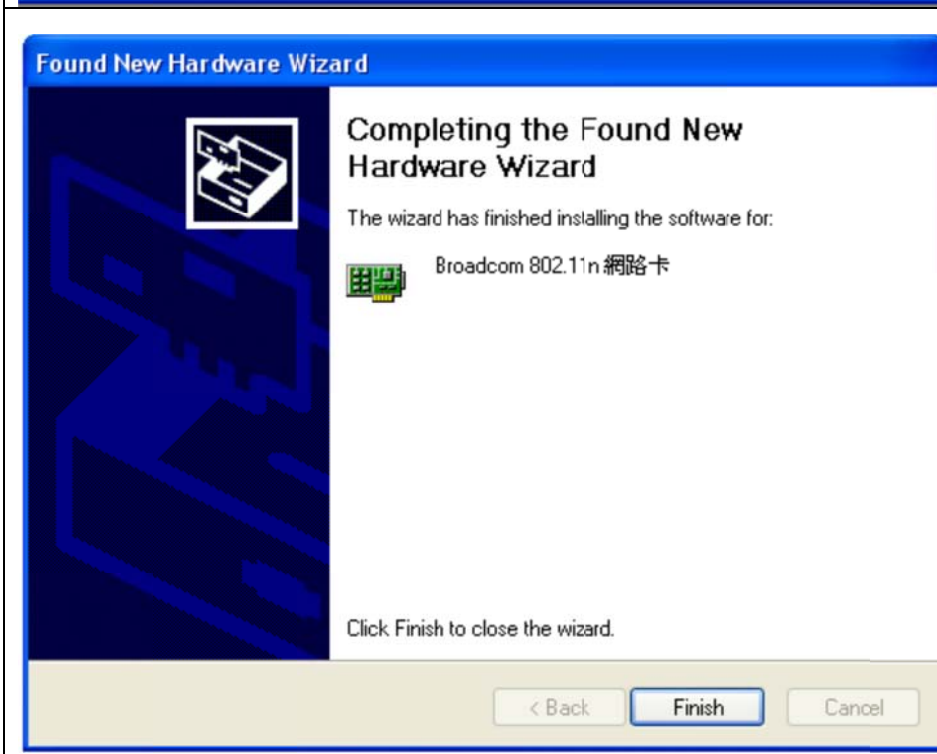
Continue Anyway

STOP Installation

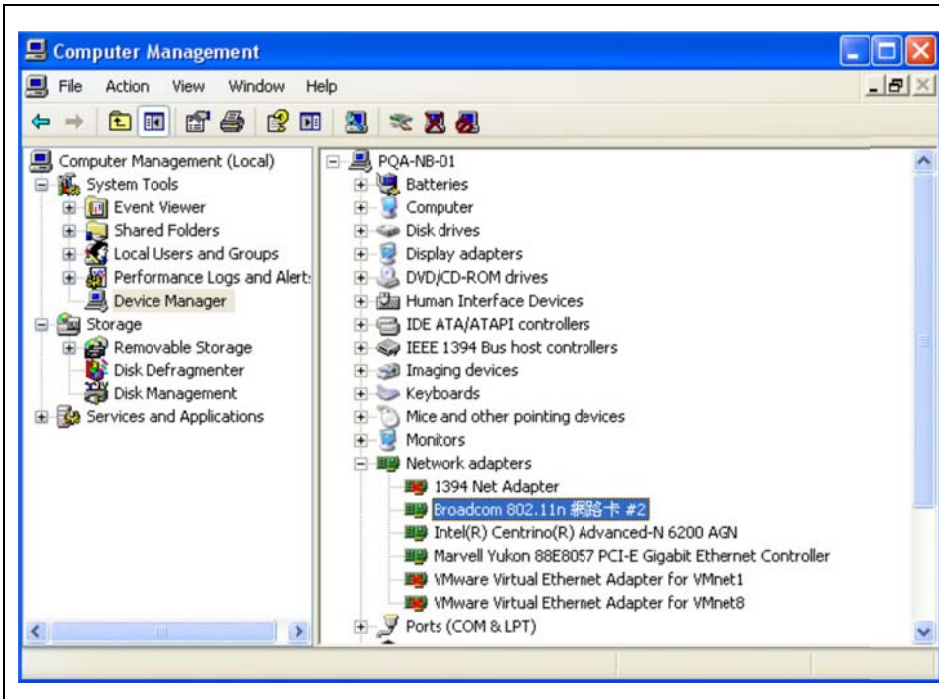
Step3. Click the "Continue Anyway" button.



Step4.  
Installing.



Step5. Click  
the "Finish"  
button.



Step6.  
When you  
successfully  
finish the  
installation,  
the computer  
management  
will detect the  
device.