

## CNU204N EOC WiFi Slave Quick Guide

# Contents

<b>Product Summary .....</b>	<b>3</b>
<b>Precautions.....</b>	<b>3</b>
<b>Indicator Description .....</b>	<b>3</b>
<b>Interface Description.....</b>	<b>4</b>
<b>Cable connection .....</b>	<b>5</b>
<b>Device Settings .....</b>	<b>6</b>
<b>Technical Specifications.....</b>	<b>16</b>
<b>Frequently Asked Questions.....</b>	<b>18</b>

## Product Summary

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CNU204N is a EOC Slave with WiFi, works at 7.5~65M, which can be used with EOC Master. It can transmit and receive Ethernet signal through the coaxial cable. Supports 802.11b/g/n .

## Precautions


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Please notice the following precautions:

- Placed CNU204N in ventilated and dry place, avoid direct sun or near heat sources;
- Placed CNU204 on a stable work platform, to prevent the fall;
- Ensure CNU204 sufficient space around the heat (greater than 10cm);
- Ensure the CNU around flammable / Conductivity / wet object;
- Do not place heavy objects on CNU204;
- Use the supplied power adapter;
- Do not open the device shell without permission.

## Indicator Description

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Indicator icon	Function	Status	Meaning
	Power	on	Power supply is OK
		off	Power off or error

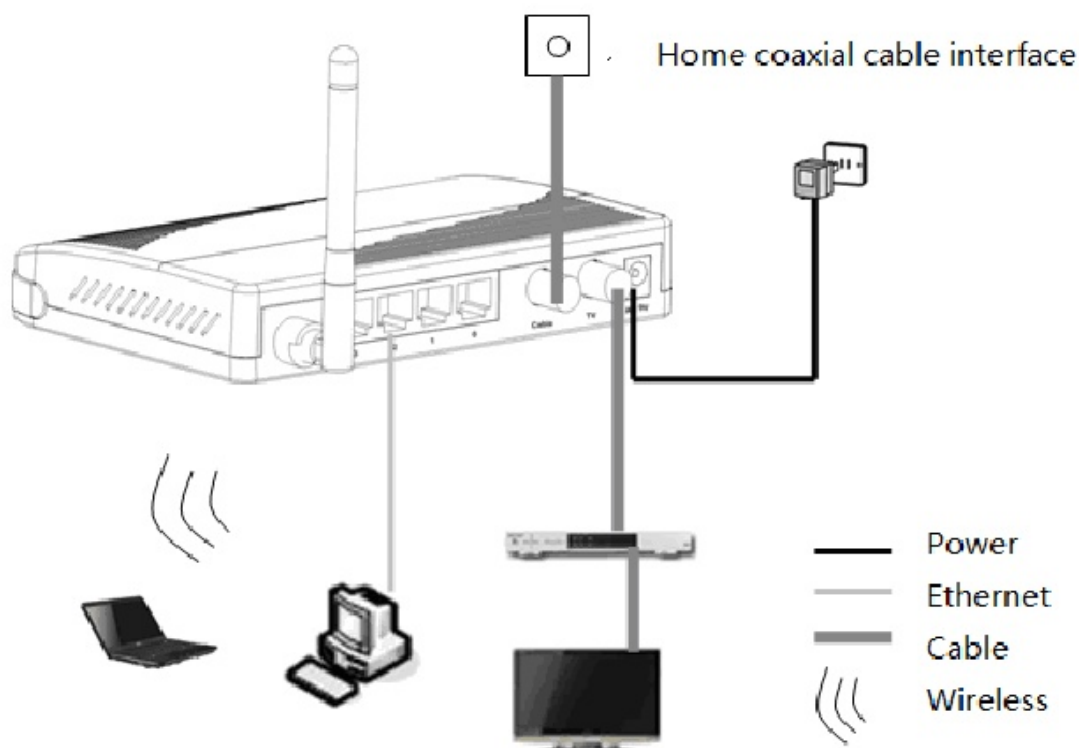
Indicator icon	Function	Status	Meaning
	Diagnosis	on	Equipment system self-test or system failures
		off	Self-test was successful and the device is working properly
	Cable	on	EOC Link is established
		blink	data are transferring on EOC port
		off	EOC Link is not established
	LAN 1-4	on	Ethernet link is established
		blink	data are transferring on Ethernet port
		off	Ethernet link is not established
	WiFi	on	WiFi is open
		blink	data are transferring through WiFi
		off	WiFi is closed or error
	WPS	on	WPS is opened
		blink	WPS link is established
		off	WPS is closed

## Interface Description

Interface	num	Descriptions
TV	1	Connect TV with Co-ax cables
Cable	1	Connect cable TV port on the wall with Co-ax cable
Ethernet port	4	FE 100Mbps full-duplex Ethernet port, connect a computer or TV boxes or other equipment

Interface	num	Descriptions
Power supply	1	DC 12V/1A
antenna	1	External antenna
Reset	1	Reset button. Click on the start of WPS function, long press to restore the factory configuration.

## Cable connection



Power on the CNU204N ,check the CNU indicator status to determine whether normal.Descriptions about the CNU indicator status please refer to Indicator Description above.

## Device Settings

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Note: Factory default: Ethernet port 1 for routing mode, the other 3 for the bridge mode.

Connect the Slave port 1 to PC and login the Web page.

Set computer for “Obtain an IP address automatically” and “Obtain an DNS server address automatically”.

1. Open the browser, input 192.168.1.1, Enter, username and password (both default are “admin”), click “OK”, shown as below:



Figure 1

2. Select WLAN Set>>Basic Set, Network Name (SSID) can be modified.

**Current Path >> Wireless Settings >> Basic Settings**

This page allows you to configure wireless basic settings.

**Basic Settings**

Wireless Interface(BSSID):	(40:C2:45:FF:04:00) ▾
Wireless Enabled:	Enabled ▾
Network Name(SSID):	EocWifi
Network Mode:	Open ▾
AP Isolation:	Off ▾
Max Associations Limit:	128

*You Can set a convenient network name of memorization*

Figure 2

3. Select WLAN Set>>Security Set, you can set the WiFi network security in figure 3. Recommendly, you can use WPA2-PSK, set password.

**WLAN Set**

- Basic Set
- Security Set
- Control
- Client List

**WAN Set**

**LAN Set**

**Net Security**

**Servers Set**

**Management**

**Status**

**Current Path >> Wireless Settings >> Security Settings**

This page allows you to configure securities for wireless.

**Encryption Mode**

Encryption Mode:	WPA2-PSK ▾
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**Encryption Algorithm & Password**

WPA Encryption:	TKIP+AES ▾
WPA passphrase:	

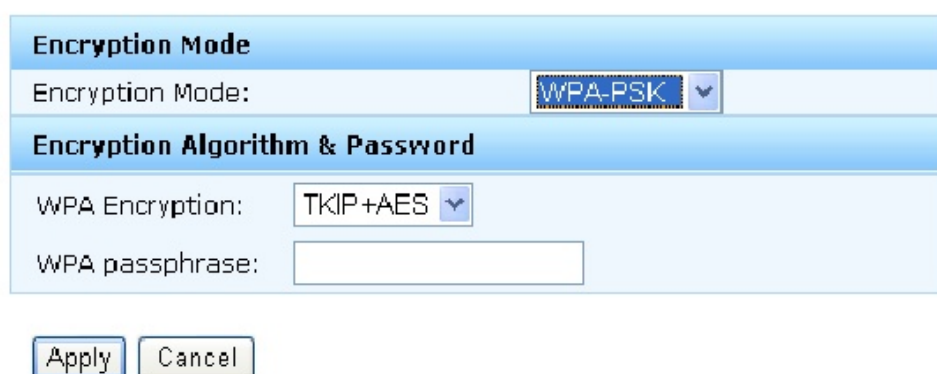
Figure 3

If don't need WiFi security function, you can select "Disable" to close it.

This page provides following WiFi security mode:WPA-PSK/WPA2-PSK、WPA/WPA2 and WEP.

### 3. 1. WPA-PSK/WPA2-PSK

WPA-PSK/WPA2-PSK is security, simpler, suitable for family and small business. The specific settings shown as in figure 4.



The screenshot shows a configuration window with a light blue header and background. The header contains the text "Encryption Mode" in bold. Below the header, there is a label "Encryption Mode:" followed by a dropdown menu currently showing "WPA-PSK". Below this is another header section labeled "Encryption Algorithm & Password" in bold. Under this section, there is a label "WPA Encryption:" followed by a dropdown menu showing "TKIP+AES". Below that is a label "WPA passphrase:" followed by an empty text input field. At the bottom of the window, there are two buttons: "Apply" and "Cancel".

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Figure 4

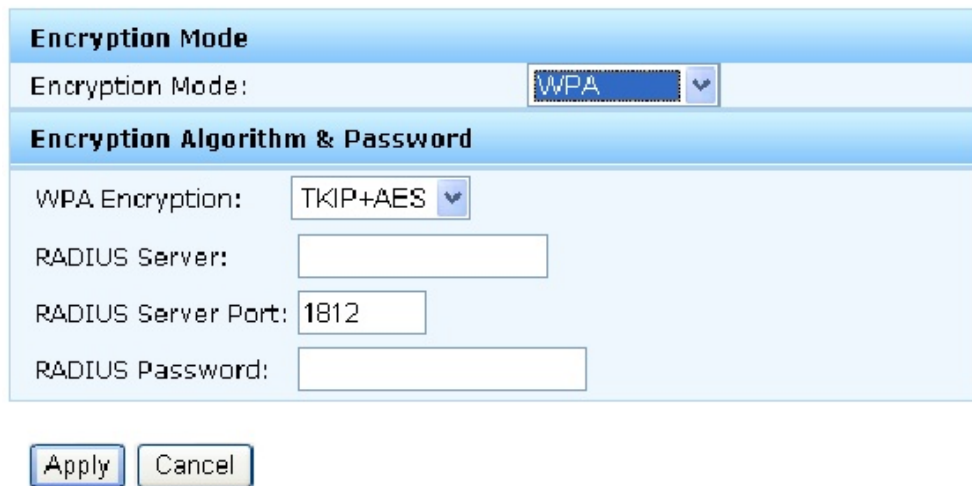
Encryption algorithm: select the encryption algorithm which is used in the WiFi data, TKIP, AES.

PSK password: The initial setting key of WPA-PSK/WPA2-PSK, 8~63 ASCII characters are required.

### 3. 2. WPA/WPA2

WPA/WPA2, a powerful encryption algorithm than WEP, the router will use the Radius server for authentication and key WPA or WPA2 safe mode. Not recommended to use it. The specific settings shown as in figure 5.





The screenshot shows a configuration window with a light blue header and background. The header contains the text "Encryption Mode" in bold. Below the header, there is a label "Encryption Mode:" followed by a dropdown menu showing "WPA". Below this is another header "Encryption Algorithm & Password" in bold. Under this header, there are four labels with corresponding input fields: "WPA Encryption:" with a dropdown menu showing "TKIP+AES", "RADIUS Server:" with an empty text box, "RADIUS Server Port:" with a text box containing "1812", and "RADIUS Password:" with an empty text box. At the bottom of the window, there are two buttons: "Apply" and "Cancel".

Figure 5

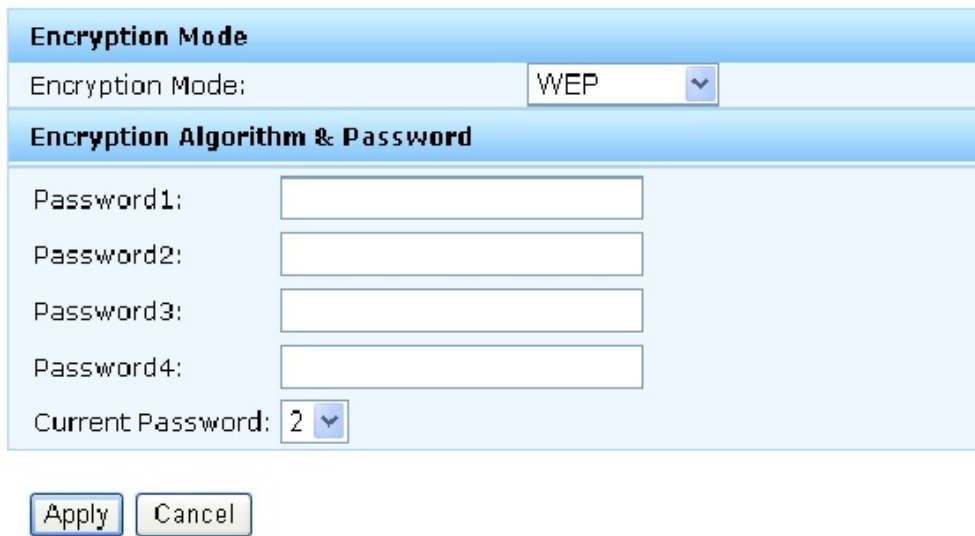
Radius Server: IP address of Radius server, identity authentication to the the hosts of WiFi .

Radius Server Port: Set the Radius authentication service port.

Radius Password: Set the password for accessing to Radius server.

### 3.3. WEP

WEP is Wired Equivalent Privacy, a basic encryption algorithm, whose security is inferior to the other two types. The specific settings shown as in figure 6.



The screenshot shows a configuration window with a light blue header and background. The header has a title bar that says "Encryption Mode". Below the header, there is a section titled "Encryption Mode:" with a dropdown menu set to "WEP". Below this is another section titled "Encryption Algorithm & Password". This section contains four password input fields labeled "Password1:", "Password2:", "Password3:", and "Password4:". Below these is a "Current Password:" label followed by a dropdown menu showing the number "2". At the bottom of the window are two buttons: "Apply" and "Cancel".

Figure 6

Key length description: If you need for the 64 key please input 5 ASCII characters, if need 128 key please input 13 ASCII characters.

4. Select WAN Set>>WAN settings>>WAN connection types, according to the following 4.1~4.3 .

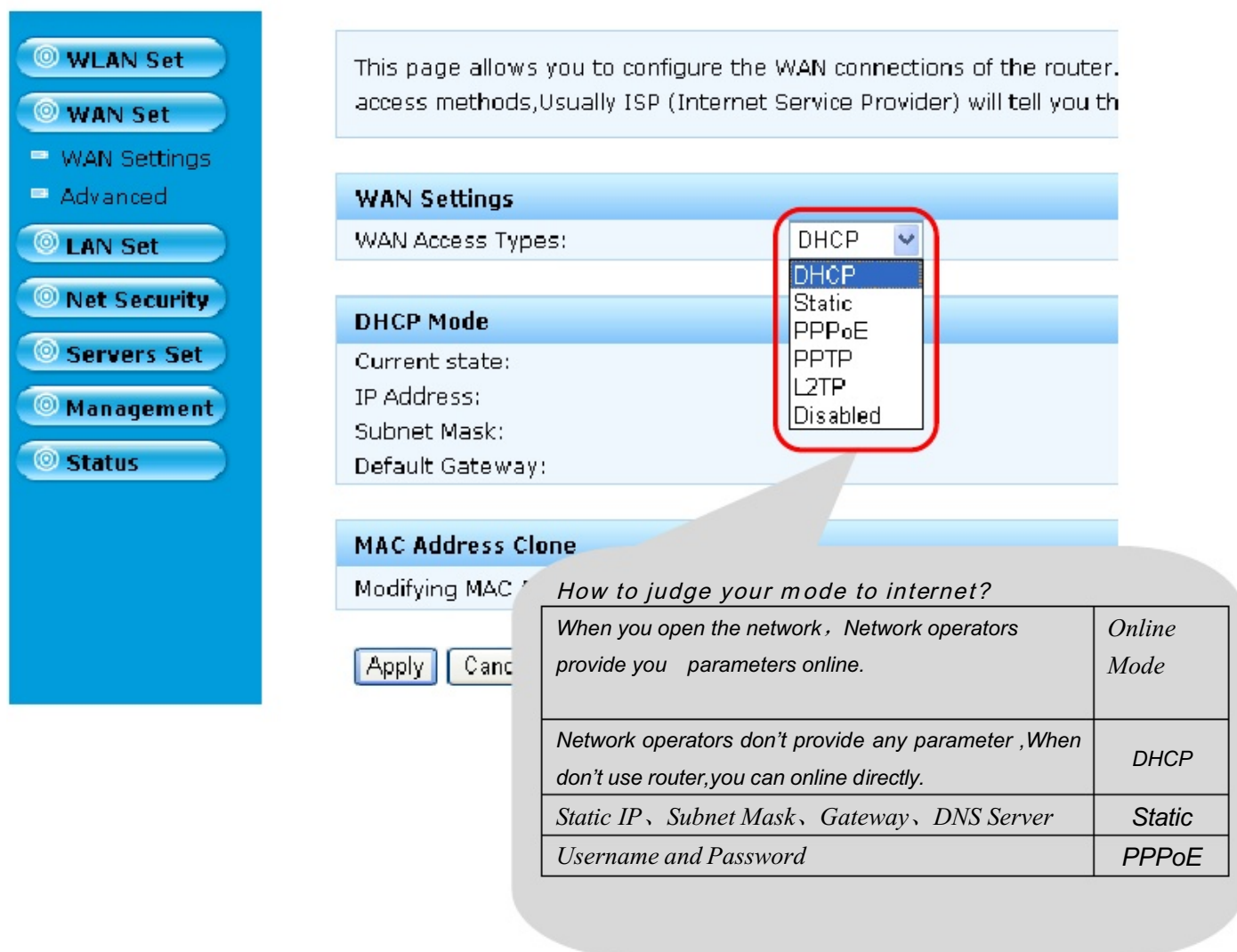
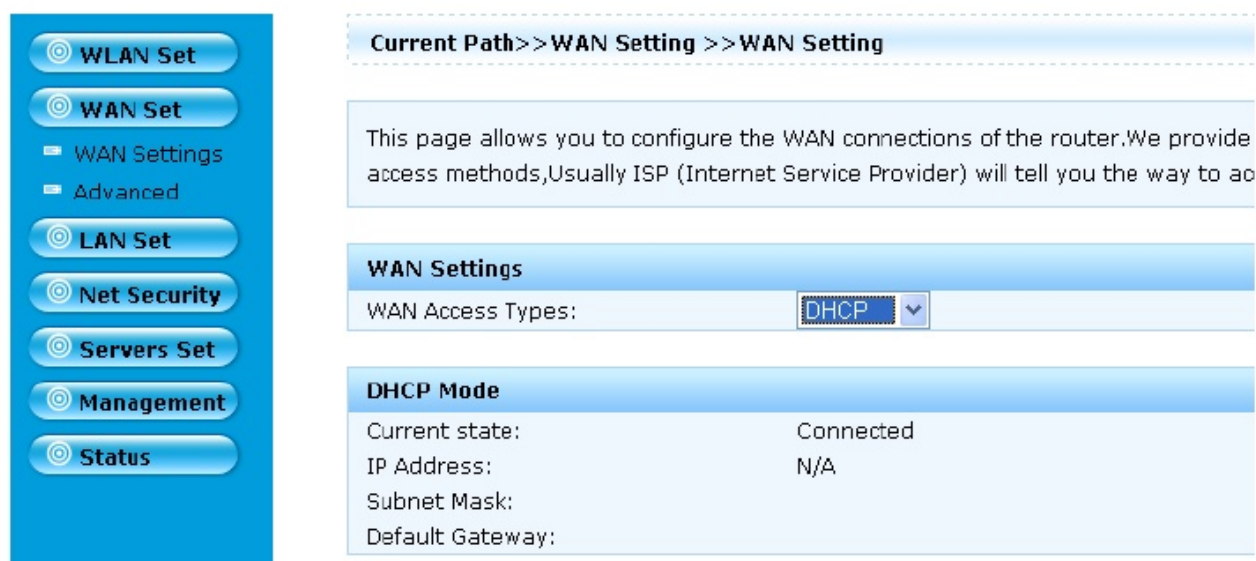


Figure 7

#### 4.1. DHCP

Select WAN Set>>WAN settings>>WAN Access Types: DHCP, the router will obtain IP address automatically. Click “Apply” .



**Current Path>>WAN Setting >>WAN Setting**

This page allows you to configure the WAN connections of the router. We provide access methods. Usually ISP (Internet Service Provider) will tell you the way to access.

**WAN Settings**

WAN Access Types: DHCP ▼

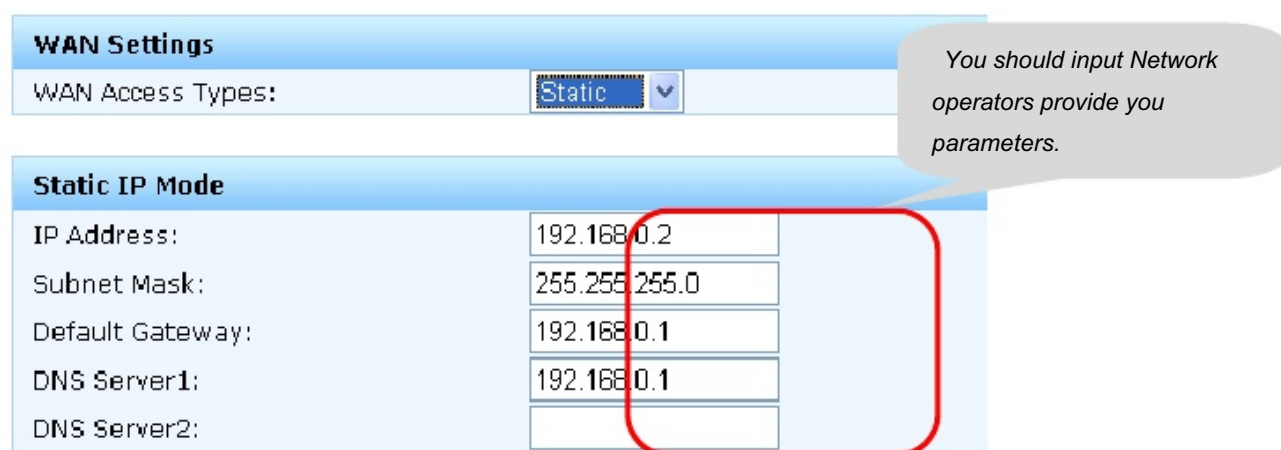
**DHCP Mode**

Current state:	Connected
IP Address:	N/A
Subnet Mask:	
Default Gateway:	

Figure 8

#### 4.2. Static

Select WAN Set>>WAN settings>>WAN Access Types: Static, input IP Address, Subnet Mask, Default Gateway and DNS Server, Click “Apply”.



**WAN Settings**

WAN Access Types: Static ▼

**Static IP Mode**

IP Address:	<input type="text" value="192.168.0.2"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Default Gateway:	<input type="text" value="192.168.0.1"/>
DNS Server1:	<input type="text" value="192.168.0.1"/>
DNS Server2:	<input type="text"/>

*You should input Network operators provide you parameters.*

Figure 9

#### 4.3. PPPoE

Select WAN Set>>WAN settings>>WAN Access Types: PPPoE, input the

username and password of ADSL provided by Network service provider. when open the connection function according to need (Generally do not have to), if no flow or more than the setted idle time, the connection will disconnect automatically, click “Apply” .

The screenshot shows a web-based configuration interface for WAN settings. The top section is titled "WAN Settings" and contains a dropdown menu for "WAN Access Types" set to "PPPoE". Below this is a section titled "PPPoE Mode" with various configuration fields:

- Username:** An empty text input field.
- Password:** An empty text input field.
- PPPOE service name:** An empty text input field with a note: "If it is not necessary, please c".
- Access Concentrator:** An empty text input field with a note: "If it is not necessary, please c".
- Connect on Demand:** A dropdown menu set to "Disabled" with a note: "When you choose enable, the router will b flows."
- Max Idle Time:** A text input field containing "60" with a note: "When the free 60 seconds, Network will be auto".
- Keep Alive??** A dropdown menu set to "Disabled" with a note: "Turn on this function, the connection will b".
- MRU:** A text input field containing "1492" with a note: "If it is not necessary, please do not modify."
- MTU:** A text input field containing "1492" with a note: "If it is not necessary, please do not modify."

Figure 10

5. Setup completed. Select the SSID “EocWifi” pop-up on computer in the list, click “connect” . If the WiFi network encryption is provided, prompt box of inputting password will be displayed , input setted password, click “connect” .
6. When connected, meaning that PC has joined the WiFi successfully, you can surf the Internet normally.
7. Restore factory settings.

Click “Restore Defaults” ,all the settings will restore to the factory default.After , the router will reboot automatically.

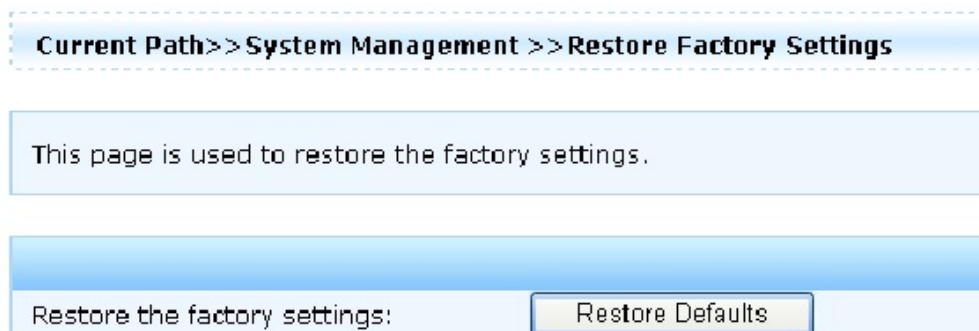


Figure 11

Note:

The default username: admin

The default password: admin

The default IP Address: 192.168.1.1

The Ethernet port 1 and WiFi ssid1 are routing model (which can login Slave web page), the other 3 ports and WiFi ssid2 are bridging mode (can not login web page).

## 8. Firmware Upgrade

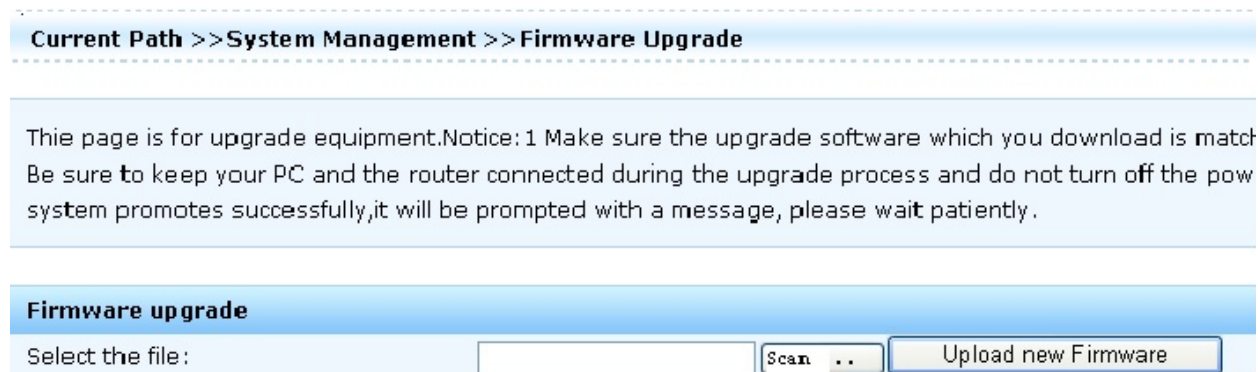


Figure 12

Click “Scan” to select the upgrade file,click” Upload new Firmware” to upgrade, system will reboot automatically.

## 9. Reboot

click” Reboot” to reboot the system, shown in figure 13 following:



Figure 13

## 10. vlanconfig.asp page

vlanconfig.asp is hidden page, you can set up multiple data service based on vlan. Up to 6 data business establishment. Every business has its vlanid property, routing or bridging mode attribute, and the port of its binding.

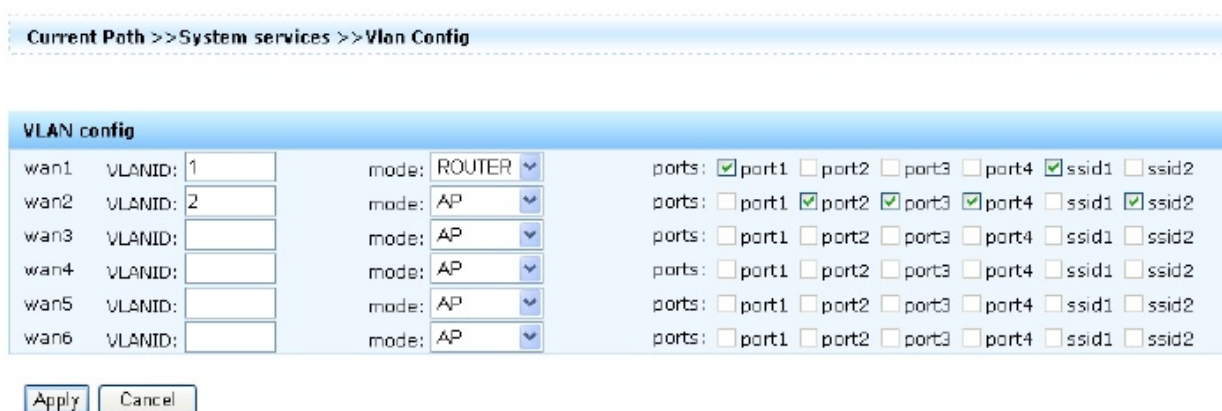


Figure 14

VLANID: establish a data service in VLANID.

Mode: establish a data business mode, routing or AP mode.

Ports: the binding port of establishing a data business, Port1 to port4 for cable port, ssid1 and ssid2 for WiFi port.

## Technical Specifications

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Item	Descriptions
Port	A coaxial cable entrance, a cable outlet, Provide 4 10/100 m Ethernet (LAN) interface.



Item	Descriptions
Features	<ul style="list-style-type: none"> <li>● Provide double ssid support.</li> <li>● Support bridging, routing, the hybrid form of bridge and routing.</li> <li>● 4 Ethernet ports and 2 WiFi ssid can establish multiple business divisions based on vlan, each path can be set vlanid arbitrarily.</li> <li>● Support 64/128 bit WEP encryption, encryption and security mechanisms such as WPA/WPA2, WPA-PSK/WPA2-PSK, can guarantee security of data transmission in WiFi.</li> <li>● 11 b/g/n support a variety of WiFi mode, support up to 150 MBPS transmission rate.</li> <li>● Support the SSID broadcast control, prevent the SSID broadcasting leaks effectively.</li> <li>● Built-in Network Address Translation (NAT).</li> <li>● Built-in DHCP server, and at the same time can be static address allocation.</li> <li>● Supports Universal Plug and Play (UPnP), up to the standard of UPnP data can be passed.</li> <li>● Built the static routing function, can build special network topology according to need.</li> <li>● According to online action, automatically connected and disconnected from the network connection on time.</li> <li>● Support for local and remote WEB management, login configuration interface, support WEB software upgrades</li> </ul>
Consumption	≤9W
Power	DC 12V/1A
Dimensions (length * width * height)	165mm× 109mm× 30mm
Working temperature	0℃~40℃
Storage temperature	-10℃~55℃
Working Humidity	20%~85% non-condensing
Storage Humidity	10%~90% non-condensing

# Frequently Asked Questions

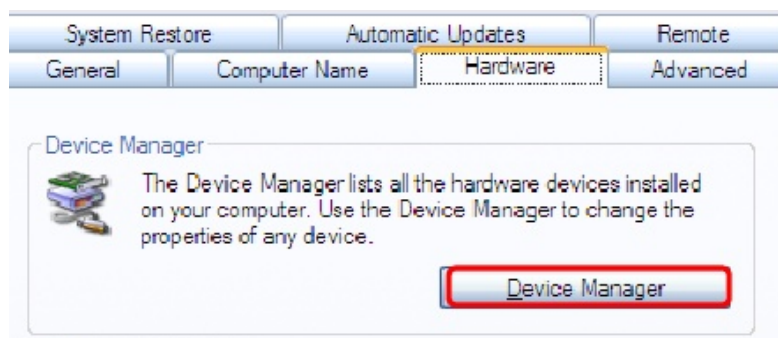
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## 1, How to do if forgot the login Slave username and password?

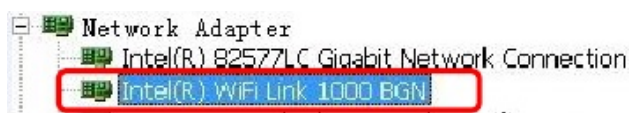
Please press Reset button for 5 seconds, the Slave will restore factory configuration. Note: The Slave default login IP 192.168.1.1, the default username/password is admin/admin. When login, please make sure the computer's IP address is 192.168.1.x (x is an arbitrary integer between 2 to 254.).

## 2, why my notebook computer can not search WiFi signal?

- 1) if the notebook computer built-in WiFi card, please confirm the WiFi switch is open (You can contract with your notebook computer manufacturers or refer to the relevant instructions);
- 2) view if the WiFi network adapter is installed successfully;  
Methods: right click on the desktop on "my computer", select properties - hardware - Device Manager



The green label in the figure below represents the NIC driver has been successfully installed and enabled



**3, why does my notebook computer can search the WiFi signal but can not connected successfully?**

- 1) Please verify the name(SSID) of trying to connect the WiFi signal matches Slave provided with SSID;
- 2) Please confirm the WiFi signal strength, if the signal is weak, proposed to adjust the location of the Slave or close connection;
- 3) Please confirm whether the Slave WiFi security settings are encryption, if you have set the encryption, check if the WiFi network card and the Slave encryption settings are the same;
- 4) Delete the original WiFi card configuration file of computer, connect again;
- 5) Advisory notebook computer or WiFi network card vendors, connected according to the WiFi network card related instructions;

If you are still unable to connect, please restore to factory and reboot.