



Cisco 867VAE-W

Integrated Services Router





Welcome to your Cisco 867VAE-W Router

Welcome to your new **Cisco 867VAE-W Integrated Services Router**. This little guy is a networking genius and will have you online in no time.

Whether it be for home or business, this guide provides a simple, easy-to-understand overview of setting up your new Cisco 867VAE-W. If you have any trouble getting connected, our Support Team is happy to help - you'll find contact information on the back of this guide.

So, let's get started.

What our customers are saying

**"As always first class service
and advice from your team.
Thank you!"**

Kevin - 4 January 2014

iiNet Customer Service rated **4.26 out of 5** based on 31,685 ratings.



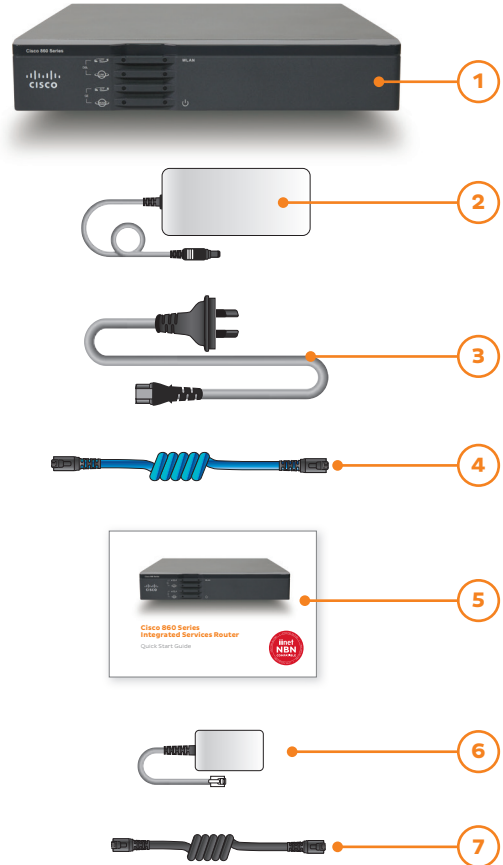
What's in the box?

Before you get started, let's quickly check you've got everything you need to get things underway.

Your Cisco 867VAE-W package will include the following:

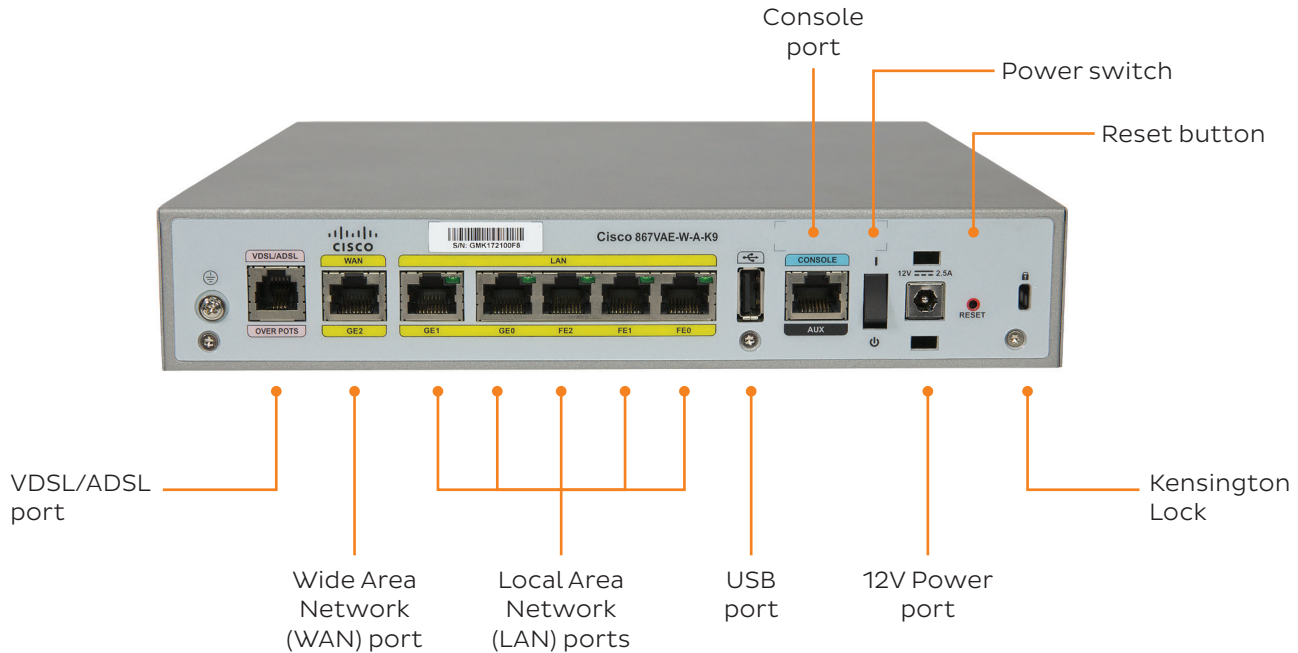
1. Cisco 867VAE-W series ISR
2. Power Adaptor
3. Power Cable
4. Ethernet cable (1.5M Cat 5)
5. Quick Setup Guide
6. ADSL2+ filter
7. Phone Cable

If anything is missing or not as it should be then please let us know and we'll get it sorted.

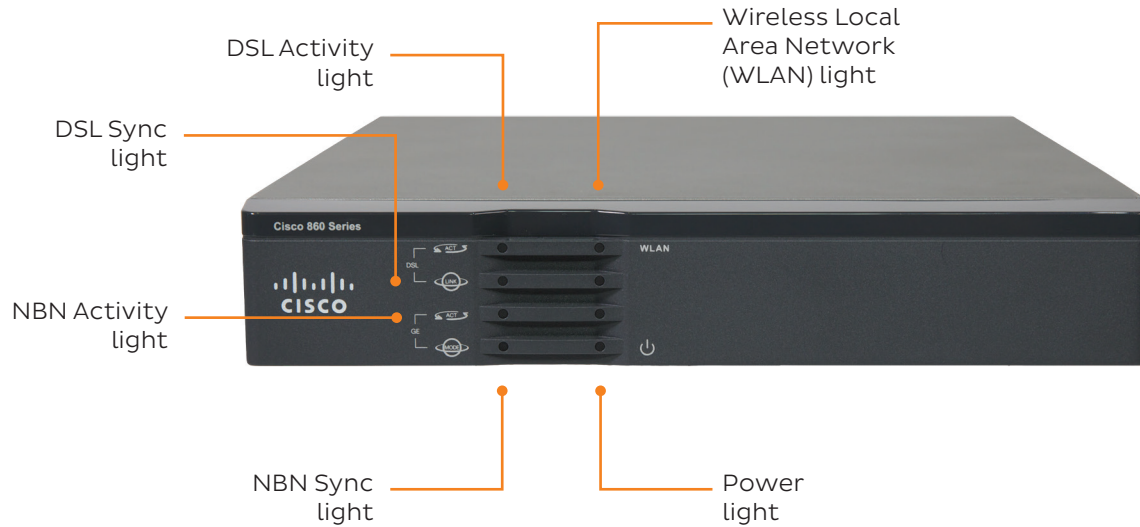


Getting to know your Cisco 867VAE-W

Back side



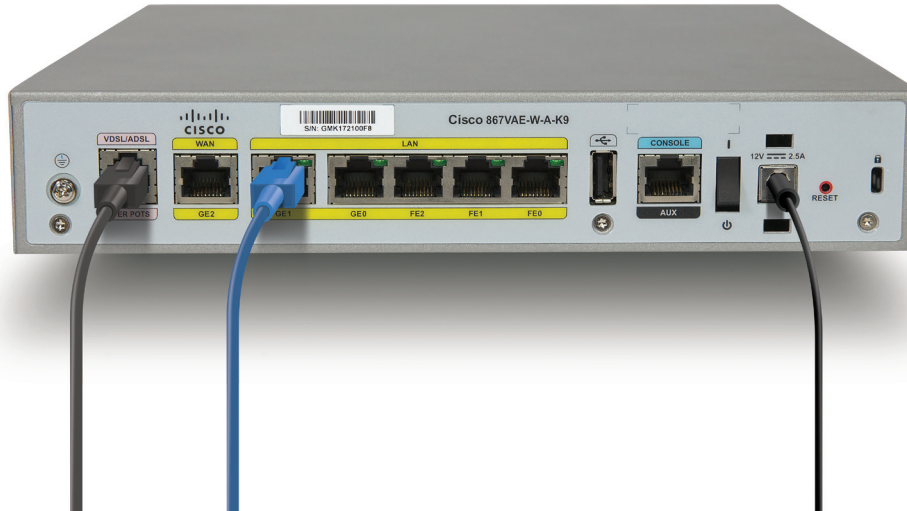
Front side



Connecting your Cisco 867VAE-W

Please follow these steps to connect your Cisco 867VAE-W router.

1. Connect the power cable to the power adaptor and then connect to the 12V Power port.
2. Plug your phone cable to the VDSL/ADSL port.
3. Connect the router to your computer or network via one of the methods on the next page.



Wired

To Office switch

If you are using your Cisco 867VAE-W router in a business or office where a Local Area Network (LAN) is involved, you should connect your router to a Link port on your switch. This will then allow all connected computers to access internet services via your Cisco 867VAE-W router.

Direct to Computer

Plug one end of the ethernet cable into one of the LAN ports on your router, then plug the other end of the cable into the network port on your computer.

On most computers, this port will be on the back of the PC tower. On laptops, you'll usually find the network port on either side of the keyboard.

Once your Cisco 867VAE-W router is connected, you're ready to get online.

Wireless

If you don't have any devices that you can plug an ethernet cable into, don't panic! You can still connect to your router's wireless network.

Your computer will be able to see SSID "iiNet867" with no password required.

We strongly recommend adding a password to your WiFi network by following the instructions on page 11.

Hint:

It's possible to have both wired and wireless connections to your Cisco 867VAE-W router operating simultaneously.

Getting your Cisco 867VAE-W router Online

Once you've got your Cisco 867VAE-W router plugged in and switched on, take a breather for 10-15 minutes and let it do its thing.

Once this is done, look for the illuminated ACT and LINK light on the left-hand side of your Cisco 867VAE-W router.

If these lights are steady, you should be online! Check to see if you can view a website.

Help! I can't view websites.

Don't panic. Doing things the manual way is still really easy. Your Cisco 867VAE-W router has a built-in home page you can use to get online. You can read more about this on the following page.

If you're having trouble connecting and there are any flashing lights on your Cisco 867VAE-W router, please call our Business Support Team for a hand - you'll find their contact information on the back of this guide.

**Contact
our Business
Support Team**

You'll find their
contact information
on the back of this
guide.

Getting your Cisco 867VAE-W router Online

We strongly recommend you follow these steps to make your WiFi network require a password.

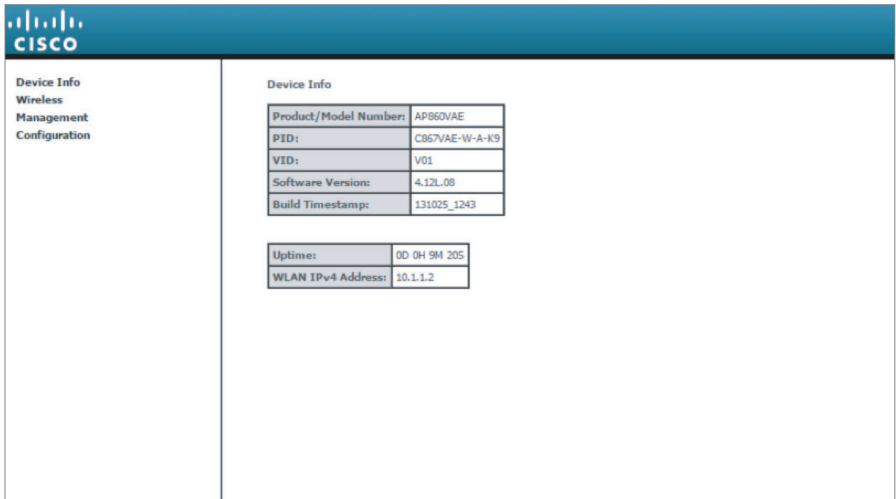
Using a computer that's connected to your Cisco 867VAE-W router, open your web browser and go to **http://10.10.10.2**

You will be prompted for a user name and password, by default these are:

Username: admin

Password: iinet

1. Once you've logged in, you'll see the Cisco home page. Select **Wireless**.



The screenshot shows the Cisco management interface. On the left is a navigation menu with 'Device Info', 'Wireless', 'Management', and 'Configuration'. The main content area is titled 'Device Info' and contains two tables of system information.

Device Info	
Product/Model Number:	AP860VAE
PID:	C867VAE-W-A-K9
VID:	V01
Software Version:	4.12L.08
Build Timestamp:	131025_1243

Uptime:	00 0H 5M 20S
WLAN IPv4 Address:	10.1.1.2

2. Ensure **Enable Wireless** and **Enable Wireless Multicast Forwarding (WMF)** is enabled.

Here you can also change the display name for your WiFi Network (**SSID**), or simply leave it as the default.

3. Click **'Apply/Save'** to save any changes.

Device Info
Wireless
Basic
Security
MAC Filter
Advanced
Station Info
Management
Configuration

Wireless - Basic
This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans and set the wireless network name (also known as SSID). Click "Apply/Save" to configure the basic wireless options.

Enable Wireless
 Hide Access Point
 Clients Isolation
 Disable WMM Advertise
 Enable Wireless Multicast Forwarding (WMF)

SSID:
BSSID: 88:97:1E:34:05:EA
Max Clients:

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMM	Max Clients	BSSID
<input type="checkbox"/>	Cisco80_Guest1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	Cisco80_Guest2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	Cisco80_Guest3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A

4. To enable security on your WiFi, click **Security**.
5. For Network Authentication, select **WPA2-PSK**. If you have older WiFi devices, you may need to select **WPA-PSK** instead.
6. You should now change your WiFi password (**WPA/WAPI passphrase**) Write it down and keep it somewhere safe.
7. Click '**Apply/Save**' to save any changes.

The screenshot shows the Cisco configuration interface for the Wireless Security page. On the left is a navigation menu with options: Device Info, Wireless, Basic, Security (highlighted in red), MAC Filter, Advanced, Station Info, Management, and Configuration. The main content area is titled 'Wireless -- Security' and includes a description: 'This page allows you to configure security features of the wireless LAN interface. You may setup configuration manually.' Below this is the 'Manual Setup AP' section, which contains instructions: 'You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.' The configuration fields are: 'Select SSID:' with a dropdown menu showing 'C867W'; 'Network Authentication:' with a dropdown menu showing 'WPA2-PSK'; 'WPA/WAPI passphrase:' with a text input field containing '*****' and a link 'Click here to display'; 'WPA Group Rekey Interval:' with a text input field containing '0' and the unit 'Seconds'; and 'WPA/WAPI Encryption:' with a dropdown menu showing 'AES'. At the bottom of the form is an 'Apply/Save' button.

Configuring DSL connection settings

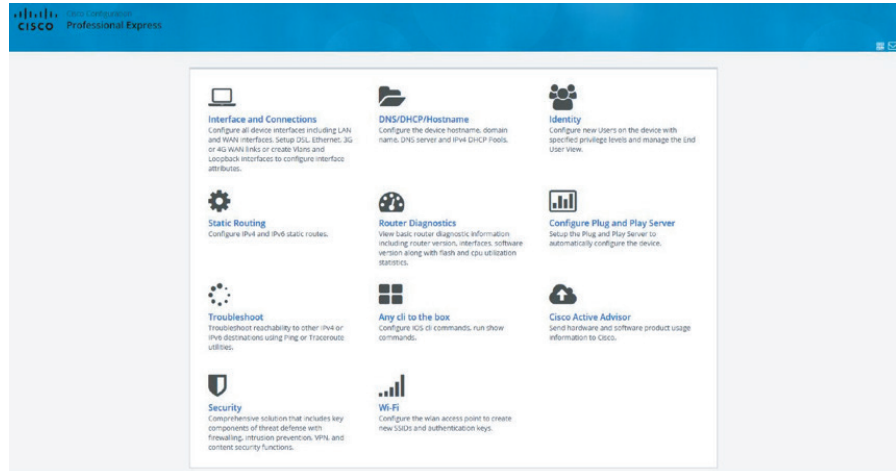
Using a computer that's connected to your Cisco 867VAE-W router, open your web browser and go to **http://10.10.10.1**

You will be prompted for a user name and password, by default these are:

Username: admin

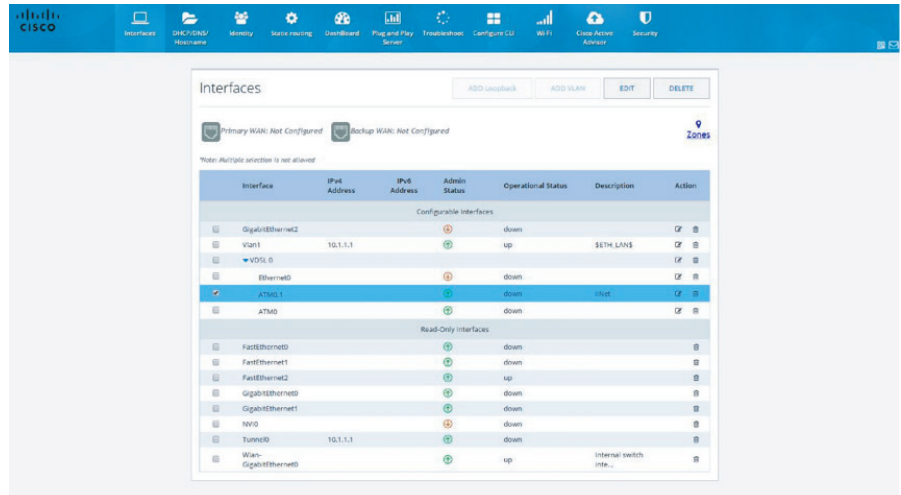
Password: iinet

1. Once you've logged in, you'll see your router's home page. Select **Interface and Connections**.

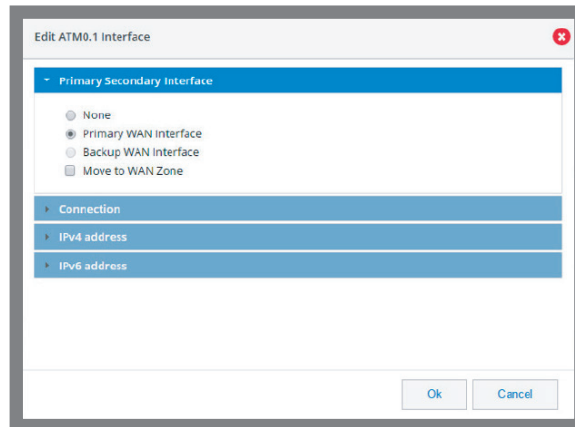


- For ADSL/Naked connections, tick the box next to **ATMO.1** and then click **EDIT** in the top right.

If you have an NBN Fibre connection, please follow the steps on page 17 instead.



- Select **Primary Secondary Interface**. **Enable Primary WAN Interface** should be ticked.



4. Select **Connection**. **Enable PPOE** should be ticked. Next to **Description** please enter “**iiNet**” and then change **VPI** to “**8**” and **VCI** to “**35**”.

The screenshot shows the 'Edit ATM0.1 Interface' dialog box with the 'Connection' tab selected. The 'Enable PPOE' checkbox is checked. The 'Description' field contains 'iiNet', the 'VPI' field contains '8', and the 'VCI' field contains '35'. Other tabs like 'IPv4 address', 'IPv6 address', and 'Authentication' are visible but not selected. 'Ok' and 'Cancel' buttons are at the bottom right.

5. Select **Authentication** and tick **PAP**. Enter the details below and click OK to finish. You'll find WiFi setup advice on page 11.

Username: Your full ADSL/Naked username (include any “@domain.com.au”)

Password: Your ADSL/Naked password (case sensitive)

The screenshot shows the 'Edit ATM0.1 Interface' dialog box with the 'Authentication' tab selected. The 'Type' section has 'PAP' checked and 'CHAP' unchecked. There are three input fields: 'Username', 'Password', and 'Confirm Password'. 'Ok' and 'Cancel' buttons are at the bottom right.

Configuring NBN connection settings

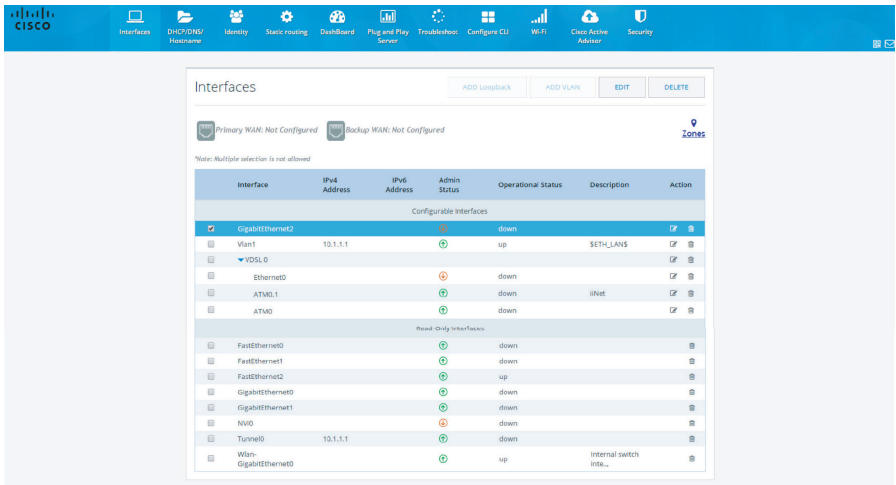
Using a computer that's connected to your Cisco 867VAE-W router, open your web browser and go to **http://10.10.10.1**

You will be prompted for a user name and password, by default these are:

Username: admin

Password: iinet

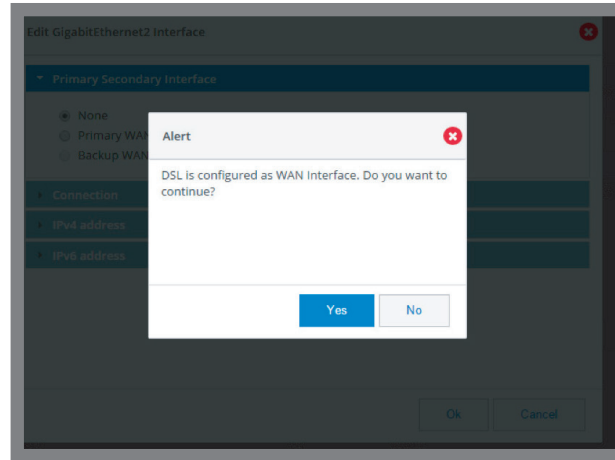
1. For NBN connections, under **Interface and Connections** select **GigabitEthernet2**.



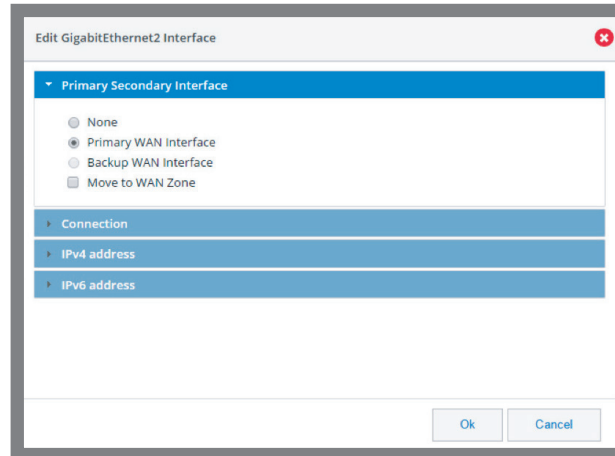
The screenshot shows the Cisco router configuration interface. The top navigation bar includes icons for Interfaces, DHCP/DNS/Hostnames, Identity, Static routing, Dashboard, Plug and Play Server, Troubleshoot, Configure CLI, Wi-Fi, Cisco Active Advisor, and Security. The main content area is titled "Interfaces" and contains a table of network interfaces. The table is divided into "Configurable Interfaces" and "Read-Only Interfaces".

Interface	IPv4 Address	IPv6 Address	Admin Status	Operational Status	Description	Action
Configurable Interfaces						
<input checked="" type="checkbox"/> GigabitEthernet2			🔴	down		🔍 🗑️
<input type="checkbox"/> Vlan1	10.1.1.1		🟢	up	SETH_LANS	🔍 🗑️
▼ YDSL0						
<input type="checkbox"/> Ethernet0			🔴	down		🔍 🗑️
<input type="checkbox"/> ATM0.1			🟢	down	iinet	🔍 🗑️
<input type="checkbox"/> ATM0			🟢	down		🔍 🗑️
Read-Only Interfaces						
<input type="checkbox"/> FastEthernet0			🟢	down		🗑️
<input type="checkbox"/> FastEthernet1			🟢	down		🗑️
<input type="checkbox"/> FastEthernet2			🟢	up		🗑️
<input type="checkbox"/> GigabitEthernet0			🟢	down		🗑️
<input type="checkbox"/> GigabitEthernet1			🟢	down		🗑️
<input type="checkbox"/> NND			🔴	down		🗑️
<input type="checkbox"/> Tunnel0	10.1.1.1		🟢	down		🗑️
<input type="checkbox"/> Wan-GigabitEthernet0			🟢	up	Internal switch inte...	🗑️

2. An Alert prompt will pop up. Select **Yes** to continue.



3. Select **Primary Secondary Interface**. **Primary WAN Interface** should be ticked.



4. Select **Connection**. Edit the description to, say “**iiNet NBN**”. Make sure **Enable PPPoE** is unticked.

Dialog box: Edit GigabitEthernet2 Interface

- Primary Secondary Interface
- Connection
 - Enable PPPoE
 - Description: iiNet NBN
- IPv4 address
- IPv6 address

Buttons: Ok, Cancel

5. Select **IPv4 address**. For **Type** please choose **DHCP IP** and tick **Enable NAT**. Click **OK** to finish. You'll find WiFi setup advice on the next page.

Dialog box: Edit GigabitEthernet2 Interface

- Primary Secondary Interface
- Connection
- IPv4 address
 - Type *: DHCP IP
 - HostName:
 - Enable NAT:
- IPv6 address

Buttons: Ok, Cancel

Contact Us

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Internode Support

13 66 33

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Adam Internet

1300 002 326

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If you have any issues with your set up or technology just isn't your strong point, you can always call our friendly staff for a hand.