



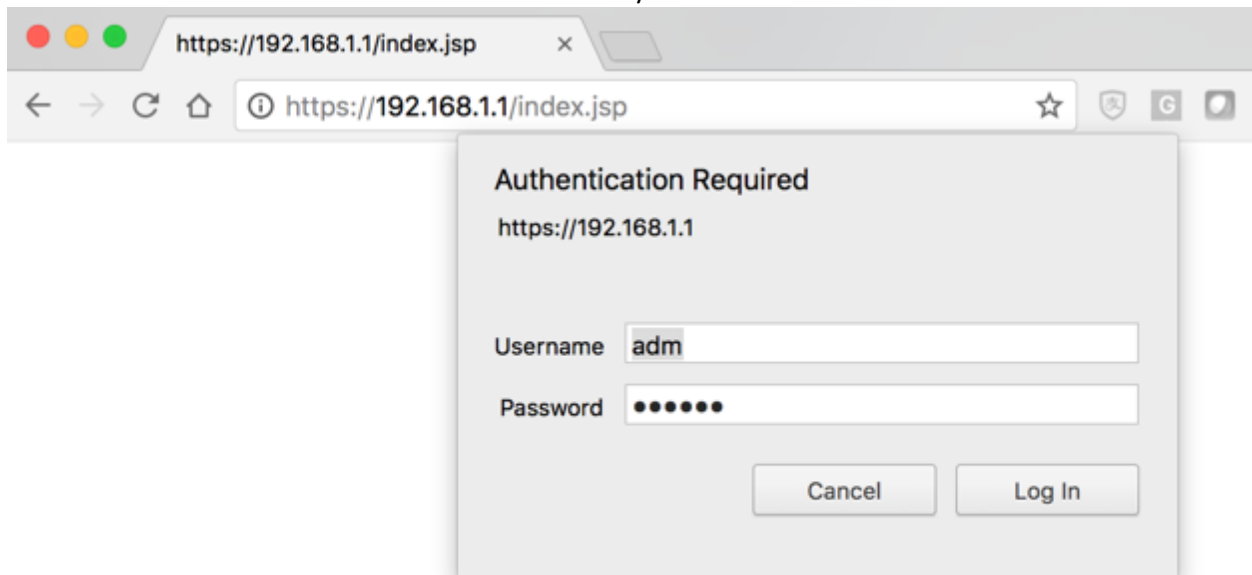
How to configure IR900 series router with wired Internet

This instruction is for the user who wants to connect IR900 series router with wired Internet instead of a SIM card.

Pre-conditions:

1. One InHand IR900 series router.
2. Wired Internet
3. Two Ethernet cable
4. One computer

Step 1. Power on IR900 router and connect PC to IR900 via FE0/2 for IR912 or FE 1/1 for IR915. Access router with a browser (e.g. Google Chrome) by IP address. The default IP of these port is 192.168.2.1 and the default credentials is “adm”/“123456”.



Note: if the IP of IR900 was changed, please make sure the IP of computer is set as the same subnet as the IR900's IP.



Step 2. Click “Wizards” >> “New WAN” to the wizards for a new WAN

Wizards >> New WAN

System Status

Name	Router
Model	IR915L
Serial Number	RV9151404222818
MAC Address	0018.0505.7251
Firmware Version	0018.0505.7252
Bootloader Version	1.0.0.r9276
Router Time	2018-02-08 12:24:05
PC Time	2018-02-08 12:24:45
Sync Time	15 days, 21:39:30
Usage (mins)	0.00 / 0.01 / 0.05
Usage (Total/Free)	120.16MB / 15.80MB (13.15%)

New LAN

New WAN

New Cellular

New IPsec Tunnel

IPsec Expert Config

New L2TPv2 Tunnel

New Port Mapping

Status

Status	Connected
Signal Level	📶 (13 asu -87 dBm)
Register Status	registered
IP Address	30.72.220.159
Netmask	255.255.255.192

[Save Configuration](#)

Step 3. Select the interface for the new WAN

- a. FE 0/1 listed as “fastethernet 0/1”



b. Change the “Type” to “Dynamic Address (DHCP)”

The screenshot shows the 'Wizards >> New WAN' configuration page. On the left is a navigation menu with categories: Administration, Network, Services, Link Backup, Routing, Firewall, VPN, Python, Industrial, Tools, and Wizards. The main content area is titled 'New WAN' and contains the following fields:

- Interface: fastethernet 0/1
- Type: Dynamic Address (DHCP)
- NAT:

At the bottom of the configuration area are two buttons: 'Apply & Save' and 'Cancel'.

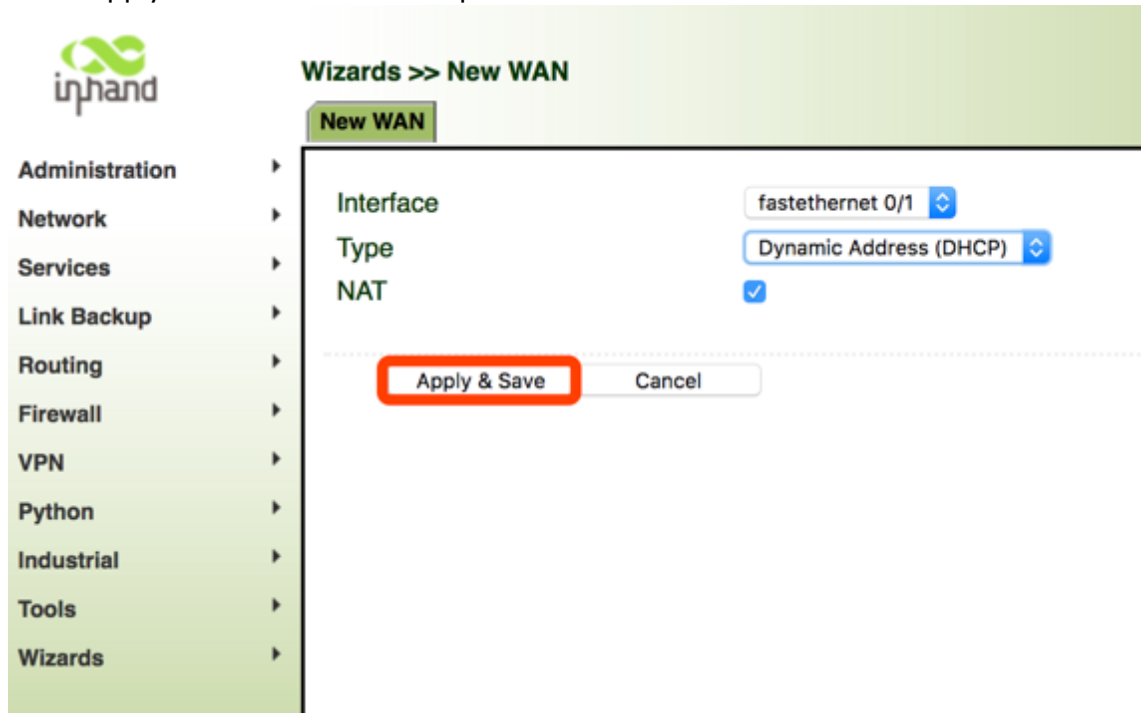
Note: if the DHCP of the wired Internet is disabled, please select “Static IP” and fill the “Primary IP”, “Netmask”, “Gateway” and “DNS”

The screenshot shows the 'Wizards >> New WAN' configuration page. On the left is a navigation menu with categories: Administration, Network, Services, Link Backup, Routing, Firewall, VPN, Python, Industrial, Tools, and Wizards. The main content area is titled 'New WAN' and contains the following fields:

- Interface: fastethernet 0/1
- Type: Static IP
- Primary IP: 192.168.100.5
- Netmask: 255.255.255.0
- Gateway: 8.8.8.8
- Primary DNS: 8.8.4.4
- NAT:

At the bottom of the configuration area are two buttons: 'Apply & Save' and 'Cancel'.

- c. Click “Apply & Save” to save these parameters



Step 4. Connect IR900 to wired Internet via FE 0/1. Please make sure the LED of FE 0/1 is on or flashing.





Step 5. (Optional) Check internet on system page

Click “Administration”>>”System”, and check the Fastethernet 0/1 interface, it will show up the IP address, Netmask, Gateway and DNS information

The screenshot shows the InHand Networks web interface. On the left is a navigation menu with categories: Administration, Network, Services, Link Backup, Routing, Firewall, VPN, Python, Industrial, Tools, and Wizards. The main content area is titled "Administration >> System" and has two tabs: "Status" and "Basic Setup". Under "Status", there are sections for "System Status" and "Network Status". The "Network Status" section is expanded to show details for "Cellular 1 [Settings]" and "Fastethernet 0/1 [Settings]". The "Fastethernet 0/1 [Settings]" section is highlighted with a red border and contains the following information:

Status	Up
Connection Type	Dynamic Address (DHCP)
IP Address	192.168.1.39
Netmask	255.255.255.0
Gateway	192.168.1.1
DNS	192.168.1.1
MTU	1500
Connection time	0 day, 00:00:45
Remaining Lease	0 day, 23:59:15
Description	

At the bottom left of the interface, there is a "Save Configuration" button.



Step 6. Test the Internet

Click "Tools" >> "Ping" and you can ping any IP and demon to test the wired Internet

The screenshot shows the InHand Networks web interface. On the left is a navigation menu with categories: Administration, Network, Services, Link Backup, Routing, Firewall, VPN, Python, Industrial, Tools (highlighted with a red box), and Wizards. The main content area is titled "Tools >> Ping" and contains a "Ping" sub-tab. The configuration fields are: Host (8.8.4.4, highlighted with a red box), Ping Count (4), Packet Size (32 Bytes), and Expert Options (empty). A "Ping" button (highlighted with a red box) is located to the right of the Host field. Below the configuration fields, the results of the ping test are displayed:

```
PING 8.8.4.4 (8.8.4.4): 32 data bytes
40 bytes from 8.8.4.4: seq=0 ttl=53 time=44.207 ms
40 bytes from 8.8.4.4: seq=1 ttl=53 time=45.346 ms
40 bytes from 8.8.4.4: seq=2 ttl=53 time=45.016 ms
40 bytes from 8.8.4.4: seq=3 ttl=53 time=44.360 ms

--- 8.8.4.4 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
round-trip min/avg/max = 44.207/44.732/45.346 ms
```