Web Configuration Quick Guide

R2000 Dual--

Industrial Dual Module Cellular VPN Router

with Power over Ethernet

Connect the Router to the PC

After installing the R2000 Dual Router, power it on connect it's Ethernet port (eth1/eth2/eth3/eth4) to a PC via a standard cross-over cable.
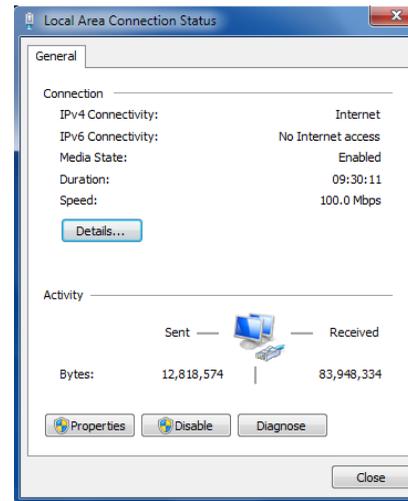
Configure the PC

There are two methods to obtain IP address for the PC, one is to obtain an IP address automatically from Local Area Connection, and another is to configure a static IP address manually within the same subnet of the router. Please refer to the steps below. Here take **Windows 7** as example, and the configuration for windows system is similar.
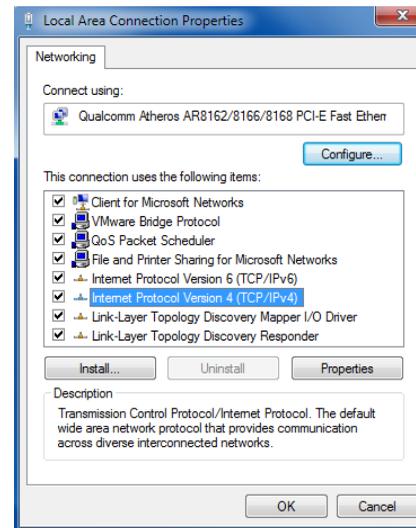
1. Go to **Start > Control Panel**, double-click **Network and Sharing Center**, and then double-click **Local Area Connection**.
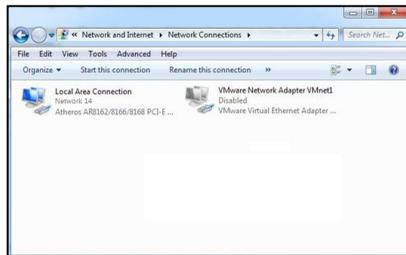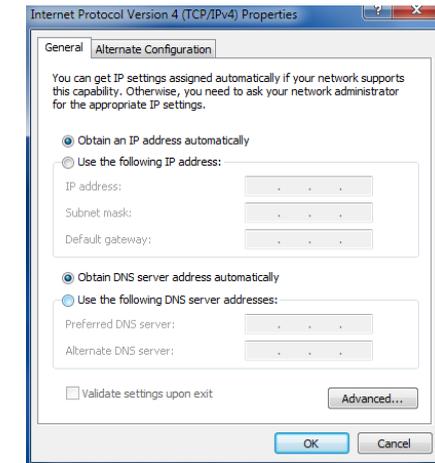

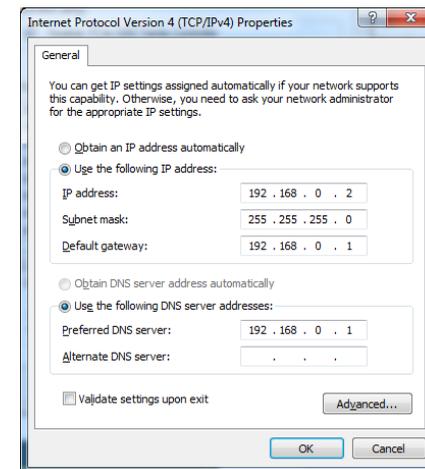2. Click **Properties** in the window of **Local Area Connection Status**.

3. Choose **Internet Protocol Version (TCP/IPv4)** and click **Properties**.

4. Two ways for configuring the IP address of PC:
**Obtain an IP address automatically:**

Use the following IP address (configured a static IP address manually within the same subnet of R2000 Dual Router):

5. Click **OK** to finish the configuration.

Login the Router

1. On your PC, open a web browser such as Internet Explorer, Google and Firefox etc.

2. From your web browser, enter the IP address of the router. The default IP address of R2000 Dual Router is 192.168.0.1, though the actual address may vary.
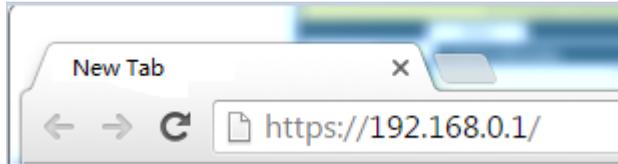
3. In the login page, enter the username and password, choose language and then click **LOGIN**.

   Note: If enter the wrong username or password over six times, the login web will be locked for 5 minutes.

4. The home page of the R2000 Lite router's web interface is displayed, for example.

Configure the Cellular

- **Configure the Cellular**

  Click **Interface > Link Manager > Link Manager > General Settings**, choose "WWAN1" as the primary link and "WAN" as the backup link and "Cold Backup" as the backup mode, then click **Submit > Save & Apply** to make the configuration take effect.

Link Settings section allows user to configure the parameter of link connection, include the WWAN1/WWAN2, WAN and WLAN. It is recommended to enable Ping detection to keep router always online. The Ping detection increases the reliability and also cost data traffic.

Click the edit button of WWAN1, refer to the figure below to set it parameters according to the current ISP, and then click Submit > Save & Apple to make it take effect.

Enable **Automatic APN Selection**, the window is displayed as below:

Enable **Ping**, the window is displayed as below:

The modifications will take effect after clicking **Submit** and **Save & Apply** button.

- **Check the Cellular Connection Status**
  Click **Interface > Cellular > Status**, and click the row of status, then the details status information will be displayed under the row.

Cellular	Status

∧ Status				
Index	IMSI	Registration	Signal Strength	Modem Model
1	460010432615366	Registered to home network	22 (-69dBm)	ME909s-120
2	460029143987644	Registered to home network	7 (-99dBm)	HE910-D

∧ Status				
Index	IMSI	Registration	Signal Stre...	Modem Mod...
1	460010432615366	Registered to home net...	13 (-87dBm)	ME909s-120

Index	1
Modem Status	Ready
Current SIM	SIM1
Phone Number	
IMSI	460010432615366
ICCID	89860114851074491267
Registration	Registered to home network
Network Provider	CHN-UNICOM
Network Type	LTE
Signal Strength	13 (-87dBm)
Cell ID	2507,06074702
Modem Model	ME909s-120
IMEI	867377020134114
Firmware Version	11.617.01.00.00

2	460029143987644	Not registered, search s..		HE910-D

Configure the IP Address

- **Configure Lan0**
  For R2000 Dual, the maximum number of LAN port is four which include lan0, lan1, lan2 and lan3.
  Lan0~lan3 is available when they were selected randomly by eth1~eth4.
  All of eth1~eth4 were default to lan0, and the default IP is 192.168.0.1/255.255.255.0.
  Go to **Interface > LAN > LAN > Network Settings**, for example:

LAN	Multiple IP	VLAN Trunk	Status

∧ Network Settings			
Index	Interface	IP Address	Netmask
1	lan0	192.168.0.1	255.255.255.0

Click the edit button of the current LAN port, modify the **IP Address** and **Netmask** of lan0. And then click **Submit > Save & Apply** to make the modification take effect.

LAN

∧ General Settings	
Index	1
Interface	lan0
IP Address	192.168.0.1
Netmask	255.255.255.0
MTU	1500

- **Configure Lan1**
  Go to the **Interface > Ethernet**, click the edit button of eth1, and choose lan1 as the **Port Assignment**.

Ports	Status

∧ Port Settings		
Index	Port	Port Assignment
1	eth0	wan
2	eth1	lan0
3	eth2	lan0
4	eth3	lan0
5	eth4	lan0

Ports

∧ Port Settings	
Index	2
Port	eth1
Port Assignment	lan1
POE Enable	ON

Click **Submit > Save & Apply** to make the modification take effect.

Go to **Interface > LAN**, and click the add button:

LAN	Multiple IP	VLAN Trunk	Status

∧ Network Settings			
Index	Interface	IP Address	Netmask
1	lan0	192.168.0.1	255.255.255.0

Select the interface as lan1, and configure the **IP Address** and **Netmask** of lan1.

LAN

∧ General Settings	
Index	2
Interface	lan1
IP Address	192.168.0.1
Netmask	255.255.255.0
MTU	1500

Click **Submit > Save & Apply** to make the modification take effect.

∧ Advanced Settings	
Upload Bandwidth	10000
Download Bandwidth	10000
Overrided Primary DNS	
Overrided Secondary DNS	

- **Configure Multiple IP**

  Go to **Interface > LAN > LAN > Multiply IP**, for example:

  Click to edit the multiple IP of the LAN interface. Click to delete the multiple IP of the LAN interface.

  Click to add a multiple IP to the LAN interface.

- **Configure WAN**

  Go to **Interface > Link Manager > General Settings**, and click the edit button of WAN to enter the link configuration window.

  Configure the WAN interface parameters such as the **Connection Type** as below:

Enable **Ping**, the window is displayed as below:

FAQ

Connected to the router successfully and obtained the IP address automatically, but failed to login the webpage.

1. Check the cable connection.
2. Check whether the green LED of the current connected port is solid or blinking.
3. Check whether another DHCP server or host occupies the IP address within the same LAN and causes IP conflict. If

yes, connect the router to the PC directly to modify the IP address pool of DHCP.

4. Confirm whether the DHCP function has been closed factitiously if this is not the first use of this router. If yes, configure the IP address of the PC's LAN interface manually to make the router and the PC can access each other in the same LAN; or restore to the factory default settings of the router via the Reset button.

5. Check the firewall of the router to confirm whether the access is restricted or the HTTP protocol is closed. Please restart the firewall.

What to do if I forgot the IP address of the router?

Press and hold the Rest button to return the router to factory defaults, and then enter "192.168.0.1" in your browser to log in the router again. See Chapter 1.4 for more details about Reset button.