

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**.

File Edit	View Tools	Advanced H	Help Rename this	connection	**	Re	-	6
Ø	Atheros AR8162	'8166/8168 PCI-I	E 8	VMware Virti	ual Ethernet Adap	ter		

 Click Properties in the window of Local Area Connection 4. Two ways for configuring the IP address of PC: Status.
 Obtain an IP address automatically:



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

Local Area Connection Properties
Networking
Connect using:
Qualcomm Atheros AR8162/8166/8168 PCI-E Fast Etherr
Configure
This connection uses the following items:
Client for Microsoft Networks Guide Protocol Guide Control
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel



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.
- 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.



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.

Justei		Save a vibia ver	
▲ It is strongly recorr	mended to change the	e default password.	
Status			
Status A System Information			
nterface	Device Model	R2000 Dual	
Network	System Uptime	0 days, 00:05:34	
VDM	System Time	Wed Dec 16 10:12:28 2015	
VPN	Firmware Version	1.2.0 (Rev 399)	
Services	Hardware Version	1.0	
System	Kernel Version	3.10.49	
	Serial Number	15090140040008	
∧ Cellular Information			
	Modem Status	Ready	
	Model	ME909s-821	
	Firmware Version	11.617.00.00.00	
	IMEI	867223020050860	
	SIM Status	SIM2 using, total 1 SIMs	
N	etwork Registration	Registered to home network	
	Network Operator	CHIN-UNICOM	

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 Manager	Status	
General Settin	gs	
	Primary Link	WWAN1 7
	Backup Link	WAN
	Backup Mode	Cold Backup V
	Emergency Reboot	ON OFF ?

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.

Index	Description	Туре	Connection Ty	pe
1		WWAN1	DHCP	
2		WWAN2	DHCP	
3		WAN	DHCP	
4		WLAN	DHCP	
ık Mana	ager			
k Mana Genera	ager al Settings			
k Mana Genera	ager al Settings		Index	1
ık Mana Genera	ager Il Settings		Index Type	1 WWAN1 V

Enable Automatic APN Selection, the window is displayed

as below:



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

Ping Detection Settings	
Enable	ON OFF
Primary Server	8.8.8.8
Secondary Server	
Interva	300 🕜
Retry Interva	5
Timeout	3 ⑦
Max Ping Tries	3 🕜

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

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.

Cellu	lar Statu	s				
^ Statu	s					
Index	IMSI	Registrat	ion	Signal Strength	Modem Model	
1	460010432615366	Registered to hor	ne network	22 (-69dBm)	ME909s-120	
2	460029143987644	Registered to hor	ne network	7 (-99dBm)	HE910-D	
∧ Statu	IS					
Index	IMSI	Registra	tion	Signal Stre	Modem Mod	
1	46001043261536	5Registered to h	ome net.	. 13 (-87dBm)	ME909s-120	
		Index	1			
	M	lodem Status	Ready			
		Current SIM	SIM1			
	PI	none Number				
		IMSI	460010	432615366		
		ICCID	898601	148510744912	267	
		Registration	Register	ed to home net	work	
	Netw	vork Provider	CHN-UN	ICOM		
	P	letwork Type	LTE			
	Sig	jnal Strength	13 (-87	dBm)		
		Cell ID	2507,00	5074702		
	1	Modem Model	ME909s	-120		
		IMEI	867377	020134114		
	Firm	ware Version	11.617.	01.00.00		
2	46002914398764	4Not 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:



Click the edit button of the current LAN port, modify the IP Address and Netmask of Ian0. And then click Submit > Save & Apply to make the modification take effect.

AN	
∧ General Settings	
Index	1
Interface	lan0 v
IP Address	192.168.0.1
Netmask	255.255.255.0
МТ	1500

• Configure Lan1

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

Ports		Status
^ Port Se	ttings	
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 v		
Port Assignment	lan1 v	0	
POE Enable	ON OFF		
		Submit	Close

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

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

LAN		Multiple IP	VLAN Trun	k Status	
^ Netwo	rk Settings	;			7
Index	Interface	IP Address	Netmask		+
1	lan0	192.168.0.1	255.255.255.0		⊠ X

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

LAN	
∧ General Settings	
Index	2
Interface	lan1 v
IP Address	192.168.0.1
Netmask	255.255.255.0
МТ	1500

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

Configure Multiple IP

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

LAN	4	Multiple IP	VLAN Trunk	Status	
Multip	le IP Settin	gs			
Index	Interface	IP Address	Netmask		+
1	lan0	172.16.99.67	255.255.0.0		⊠ ×

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.

Multiple IP	
∧ IP Settings	
Index	1
Interface	lan0 v
IP Address	172.16.99.67
Netmask	255.255.0.0

Configure WAN

2

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

Link Mar	ager	Status		
^ Genera	al Settings			
			Primary Link	WWAN1 ?
			Backup Link	WAN
			Backup Mode	Cold Backup
		Eme	ergency Reboot	OFF 3
∧ Link Se	ettings			
Index	Description	Туре	Connection Ty	pe
1		WWAN1	DHCP	EX.

3 WAN DHCP WLAN DHCP Configure the WAN interface parameters such as the

Connection Type as below:

DHCP

WWAN2

Link Manager	
∧ General Settings	
Index	3
Description	
Туре	WAN
Connection Type	DHCP

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

∧ Ping Detection Settings	?
Enable	ON OFF
Primary Server	8.8.8.8
Secondary Server	
Interval	300 🕜
Retry Interval	5 7
Timeout	3
Max Ping Tries	3

Advanced Settings	
МТО	1500
Upload Bandwidth	10000 🦻
Download Bandwidth	10000
Overrided Primary DNS	
Overrided Secondary DNS	

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.
- Check whether another DHCP server or host occupies the 3. 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.

- Confirm whether the DHCP function has been closed 4. 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.