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DR6018 User manual

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IPQ60xx UI setting

- 1. input the IP: 192.168.1.1 and login;
- 2. Input the username: admin; password: password, then press the button "Login",

A	uthorization Required	
P	ease enter your usemame and password.	
	Username	le admin
	Password	<i>₽</i> ••••••
		@Reset @Login

3. network setting

- IP Setting: setting IP in the path "network->Interfaces->LAN->IPV4 address"
- DHCP setting:DHCP and other protocol setting in the path network->Interfaces->LAN->protocol"

atus System Services Network Logout		ChChChChChCh	
iterfaces Wifi Switch Static Routes Diagnost	ics Firewall Multi-WAN		
AN WANG LAN			
erfaces - LAN			
this page you can configure the network interfaces. You	can bridge several interfaces by ticking the "bridge i	nterfaces" field and enter the names of several networ	k interfaces separated by spaces. You can
use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).	can bridge several interfaces by deking the bridger	Reflaces field and effest the names of several field of	k interfaces separated by spaces. For car
Common Configuration			
General Setup Advanced Settings Physical Settin	s Firewall Settings		
Status	Uptime: 0h 3m 1s MAC-Address: EA: RX: 161.56 KB (18: br-lan TX: 467.16 KB (79) IPv4: 192.168.1.1/	9F:BE:DF:31:0B 12 Pkts.) Pkts.) 24	
Protocol	Static address	~ ~	
	192.168.1.1		
IPv4 address			
IPv4 address IPv4 netmask	255.255.255.0	\sim	
IPv4 address IPv4 netmask IPv4 gateway	255.255.255.0		
IPv4 address IPv4 netmask IPv4 gateway IPv4 broadcast	255.255.255.0		
IPv4 address IPv4 netmask IPv4 gateway IPv4 broadcast Jse custom DNS servers	255 255 255 0		

- 4. wireless setting
 - login the path network->Interfaces->WIFI, then choose one wifi,we select the red marked as example,click the button 'Edit'

atus	System Services Network Logout		12-512-512-51	2 2 2 3 5		al a shi		2051	STOCK .	40.000
terface	es Wifi Switch Static Routes Diagnostics Fire	vall Multi-WAN								
ifi1: Ma	aster "OpenWrt" wifi2: Master "OpenWrt" wifi0: Master	"OpenWrt"								
ireles	s Overview									
	Generic Atheros 802.11bgn (wifi0)							Scan		Add
	SSID: OpenWrt Mode: Master 0% Wireless is disabled or not associated				2	Enable		Edit	×	Remove
	Generic Atheros 802.11anac (wifi1)						Q	Scan		Add
	SSID: OpenWrt Mode: Master 0% Wireless is disabled or not associated				22	Enable		Edit	×	Remove
9	Generic Atheros 802.11anac (wifi2)						Q	Scan		Add
	SSID: OpenWrt Mode: Master Wireless is disabled or not associated				2	Enable		Edit	×	Remove
sociat	ted Stations	ndri și dințe din sector a din din din din 1990 e statistică din 1990 e statistică din 1990 e statistică din 19								

Product System

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- The detail information show in the picture as below: Channel:for channel select;
- Transmit Power:signal chain power setting; ESSID:for ID
- Mode:it support 4 mode AP,AP(WDS),client,client(WDS) Wireless Security:for Encryption setting

iterrates will switch static Koulus Diagnosocs miswaii Pulio-waiv	
MILL Plaster OpenWitt Held, Plaster OpenWitt	
ireless Network: Master "OpenWrt" (wifi1.network1)	
a Device Configuration section covers physical settings of the radio hardware such aration mode are grouped in the Interface Configuration.	as channel, transmit power or antenna selection which are shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or
Device Configuration	
General Setup Advanced Settings	
Status	SSID: OpenWrt Mode: Master or, Wireless is disabled or not associated
Wireless network is disabled	al Enable
Channel	auto
Transmit Power	3 dBm (1 mW)
Interface Configuration	
General Setup Winkess Security Advanced Settings	
ESSID	OpenWrt
Mode	Access Point
Network	☑ lan: 過金金金
	- wan: 2
	wan6: 🖉
	create:
	Choose the network(s) you want to attach to this wireless interface or fill out the create field to define a new network.
Hide ESSID	

IN Advance setting you can select which chain do you need, which BW do you need and so on

if1: Master "OpenWrt" wifi2: Master "OpenWrt" wifi0: Master "OpenWr				
reless Network: Master "OpenWrt" (wifi1.network1)				
Device Configuration section covers physical settings of the radio hardware s ration mode are grouped in the Interface Configuration.	uch as channel, transmit power or antenna selection which a	re shared among all defined wireless net	works (if the radio hardware is multi-SSID	capable). Per network settings like encryption or
Device Configuration				
General Setup Advanced Settings				
Mode	802.11ac	~		
HT mode	20MHz	\sim		
Tx Antenna bitmask	🗌 chain2 🔲 chain1			
tx Antenna bitmask	🗌 chain2 🔲 chain1			
Distance Optimization				
Regulatory Domain				
Country Code	00 - World Use ISO/IEC 3166 alpha2 co	v untry codes.		
nterface Configuration				
General Setup Wireless Security Advanced Settings				
incryption	No Encryption	\vee		
lack to Overview ill Reset				Save Save &

In the end ,you need click the button "Save & Apply", and wait for 2 minutes, then you can enjoy it.

Product System

 \Box Other (x)

5. Backup archive

Login System->Backup/Flash Firmware; Then click the button"Generate archive"; Then download the archive

Status System Services Network Logout			RONOO RONG
System Administration Services SNMP LED Configuration	Backup / Flash Firmware Reboot		
lash operations			
Actions			
Click TDPDUMP" to download tcp dumped file.			
Download TCPDUMP:	Generate tcpdump		
Backup / Restore Click "Generate archive" to download a tar archive of the current con	figuration files. To reset the firmware to its initial state, click	Perform reset" (only possible with squashfs images).	
Download backup:	Generate archive		
Reset to defaults:	Perform reset		
To restore configuration files, you can upload a previously generated	backup archive here.		
Restore backup:	浏览 未选择文件。	Upload archive	
Flash new firmware image Upload a sysupgrade-compatible image here to replace the running f	rmware. Check "Keep settings" to retain the current configu	ation (requires an OpenWrt compatible firmware image).	
Keep settings:			
Image:	浏览 未选择文件。	Flash Image	

6. update new image

Login System->Backup/Flash

Firmware;

Then click the button "浏览", choose your image,

Then click the button "flash image"

Then click the button "Proceed", warning don't power off, wait for about three minutes, then the system will reboot automatic.then login again,you can enjoy it.

Status System S	Services Network	ogout				
System Administrat	ion Software Startup	Scheduled Tasks LED Co	onfiguration Backup / Flash	Firmware Reboot		
Flash Firmware -	Verify					
The flash image was up Click "Proceed" below t	bloaded. Below is the checks to start the flash procedure.	ım and file size listed, com	pare them with the original file t	to ensure data integrity.		
Checksum: f819 Size: 27.85 MB Configuration files	0fcb409c8e6f03fc4aec1f3e s will be kept.	71£3				
						Cancel Proceed

■Product System DR6010 V04 UART configuration

 \Box Other (x)

1.Induction

That is show how to use the Uart for DR6018 V4



2. Device connect

Step 1:connect the cable to the DR6018 V4

As the picture as above, the sequence of the signal in the UART connector: GND, TX, RX, VCC,

And we need use GND connect black cable,TX connect to white cable,RX connect to Green cable, VCC don't use.

Step 2:Check the Com number on the PC

Connect the console board to the PC with USB connector,

Then check the com number on the PC, the com number on the test pc is Com15



You can use putty ,Xshell or some others,enjoy it

Product System

BusyBox vl.30.1 () built-in shell (ash)

P	211		NM		MMMM	MMM	М	М
\$MM	MMM	P	MMM		MMMMMM	MMMMM	MMM	MMM
MMM	MMMM	MM	MMMM.		MMMMM:	MMMMMM:	MMMM	MMMMM
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MMMM=	MMMMM	MMMM	MM	MMMMM	MMMM	MMMM	MMMMN	MMMM
MMMM=	MMMM	MMM	M	MMMMM	MMMM	MMMM	MMMMM	MM
MMMM=	MMMM	MM	MMM	MMMMM	MMMM	MMMM	MMMMM	MMM
MMMM=	MMMM	M	MMMM,	NMMMMMMM	MMMM	MMMM	MMMMM	MMMM
MMMM=	MMMM		MMMMM	MMMMMMM	MMMM	MMMM	MMMM	MMMMM
MMMM=	MMMM	MM	MMMM	MMMM	MMMM	MMMM	MMMM	MMMM
MMMMŞ	, MMMMM	MMM	M MMMM	MMM	MMMM	MMMMM	MMMM	MMMM
MMM	MMM:	M	MMM	М	MMMMMM	MMMMM	MMMMMM	MMMM
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			м		MMMM	MMM	м	м
P	1MMM		11					
	MMM M							
For For 	MMM M r those OpenWrt:	about 	to rock	: (Chaos	Calmer,	unknow	n)	
For For root@C root@C	MMM M r those OpenWrt OpenWrt	about :/# :/#	to rock	: (Chaos	Calmer,	unknow		
For For root@C root@C	MMM n those DpenWrt: DpenWrt: DpenWrt:	about :/# :/# :/#	to rock	: (Chaos	Calmer,	unknow		
For For root@C root@C root@C root@C	MMM r those DpenWrt DpenWrt DpenWrt	about :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknowi		
For For root@C root@C root@C root@C root@C	M r those OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt:	about :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@C root@C root@C root@C root@C	M r those OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt:	about :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@C root@C root@C root@C root@C root@C	M r those DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt:	about :/# :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@C root@C root@C root@C root@C root@C root@C root@C	MMM M r those OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt	about :/# :/# :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@C root@C root@C root@C root@C root@C root@C root@C	MMM M r those OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt:	about :/# :/# :/# :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@0 root@0 root@0 root@0 root@0 root@0 root@0 root@0 root@0	MMM M c those openWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt: OpenWrt:	about :/# :/# :/# :/# :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@0 root@0 root@0 root@0 root@0 root@0 root@0 root@0 root@0 root@0	MMM M Those Those DenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt: DpenWrt:	about :/# :/# :/# :/# :/# :/# :/# :/#	to rock	(Chaos	Calmer,	unknow	n)	
For For root@0 root	MMM M Those Those Those DenWrt DenWrt DenWrt DenWrt DenWrt DenWrt DenWrt DenWrt	about //# //# //# //# //# //# //# //	to rock	(Chaos	Calmer,	unknow	n)	
For For root@0 root	MMM M c those openWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt OpenWrt	about :/# :/# :/# :/# :/# :/# :/# :/#	to rock	: (Chaos	Calmer,	unknow	n)	

 \Box Other (x)

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■Product System IPQ60xx 5G card setting

 \Box Other (x)

1.check whether find the 5G module,

Print the command :Isusb

if it show like the below, have some other device, that indicate have new 5G/LTE module

root@OpenWrt:~# lsusb						
Bus	001	Device	002:	ID	2c7c:0800	
Bus	001	Device	001:	ID	1d6b:0002	
Bus	002	Device	001:	ID	1d6b:0003	
Bus	003	Device	001:	ID	ld6b:0002	
Bus	004	Device	001:	ID	1d6b:0003	
root@OpenWrt:~#						

2.check whether the 5G module work,

Print the command:quectel-CM &

That is for Quectel RM500Q,then show a lot of device message,then the 5G work well,enjoy it

root@OpenWrt:~# quectel-CM &						
02_09:14:40:054] Quectel_QConnectManager_Linux_V1.6.0.15						
Find /sys/bus/usb/devices/1-1 idVendor=0x2c7c idProduct=0x800, bus=0x001, dev=0x002						
Auto find qmichannel = /dev/qcqmi0						
Auto find usbnet_adapter = usb0						
<pre>netcard driver = GobiNet, driver version = V1.6.2.9</pre>						
<pre>qmap_mode = 1, qmap_version = 9, qmap_size = 31744, muxid = 0x81, qmap_netcard = usb0</pre>						
Modem works in QMI mode						
Get clientWDS = 7						
Get clientDMS = 8						
Get clientNAS = 9						
Get clientUIM = 11						
requestBaseBandVersion RM500QGLABR01A01M4G						
requestGetSIMStatus SIMStatus: SIM_ABSENT						
requestGetProfile[1] ctnet///0						
requestRegistrationState2 MCC: 460, MNC: 0, PS: Detached, DataCap: UNKNOW						
requestQueryDataCall IPv4ConnectionStatus: DISCONNECTED						
ifconfig usb0 0.0.0.0						
ADDRCONF(NETDEV_UP): usb0: link is not ready						
ifconfig usb0 down						