WALLYS DR9574 Communications WiFi Routerboard and Wifi Network User Manual

DR9574
User Manual

1. IPQ9574 UI settings
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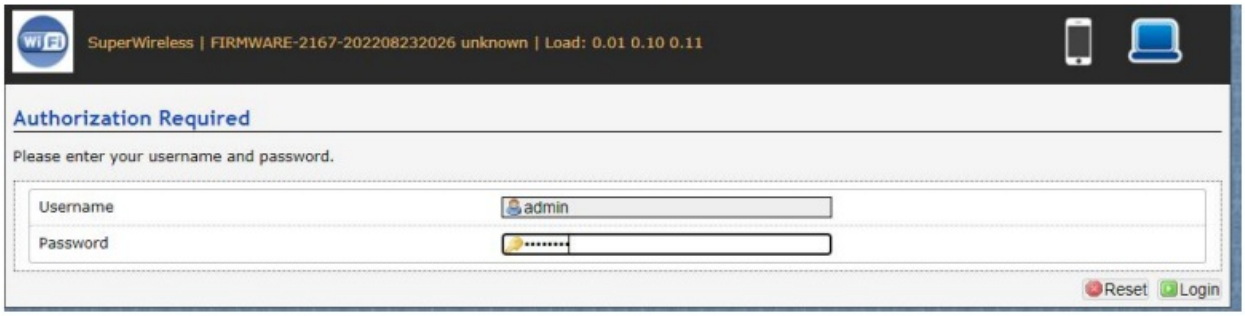
3. How to set up the card slot

Contents

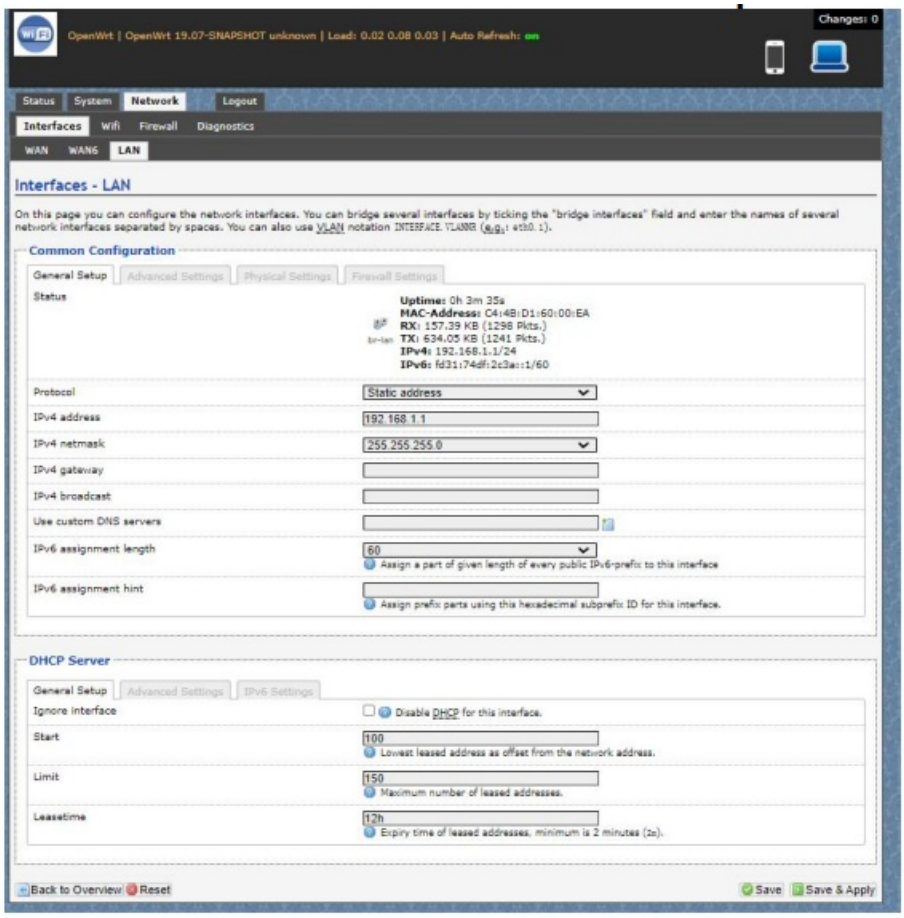
IPQ9574 UI setting

1. Input the IP 192.168.1.1 and login
2. Input the username “admin” password “password” then press the button “Login”



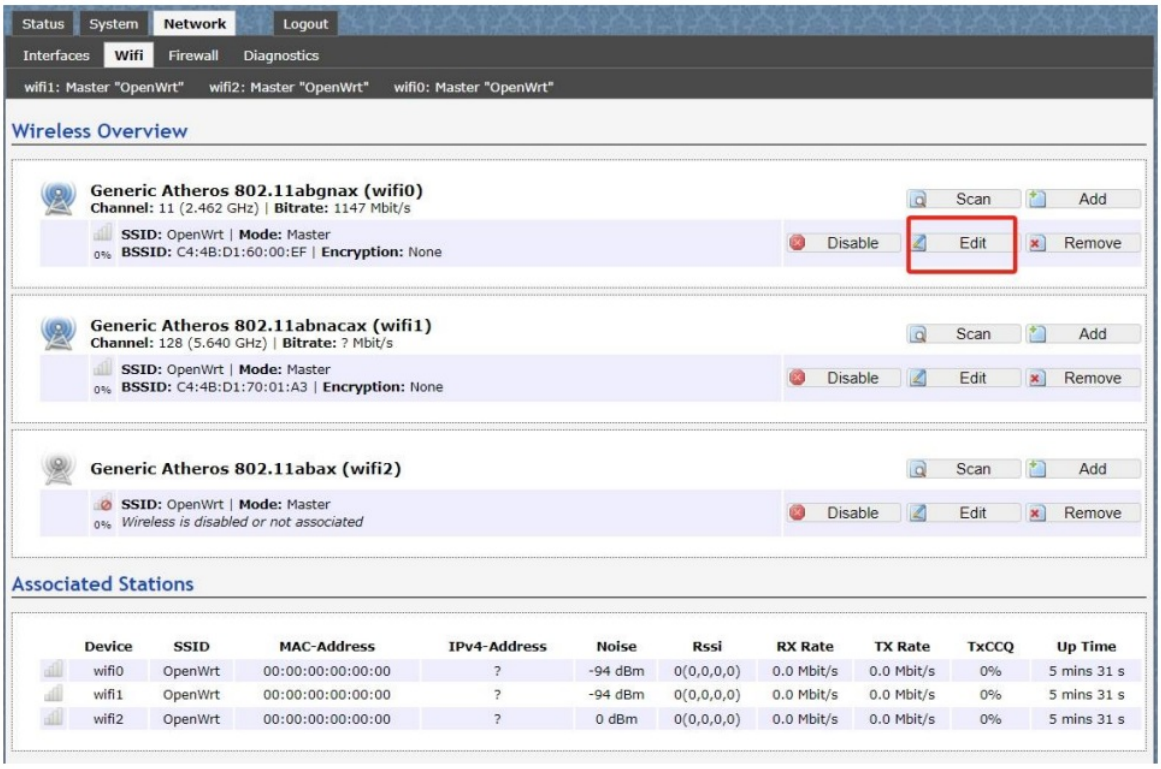
3. Network setting

- 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”



4. Wireless setting

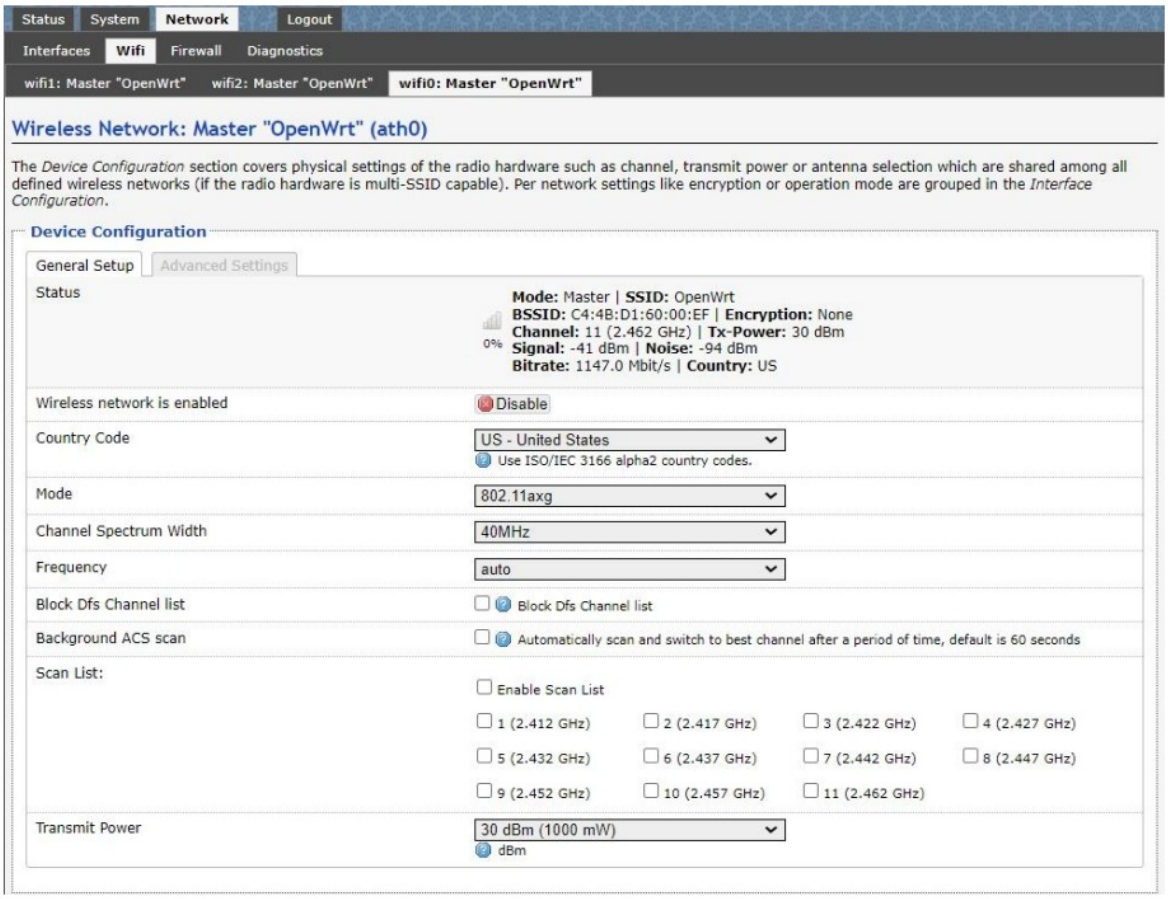
Login the path network->Interfaces->WIFI,Then choose wifi 1,we select the red marked as example,click the button “ Edit ”



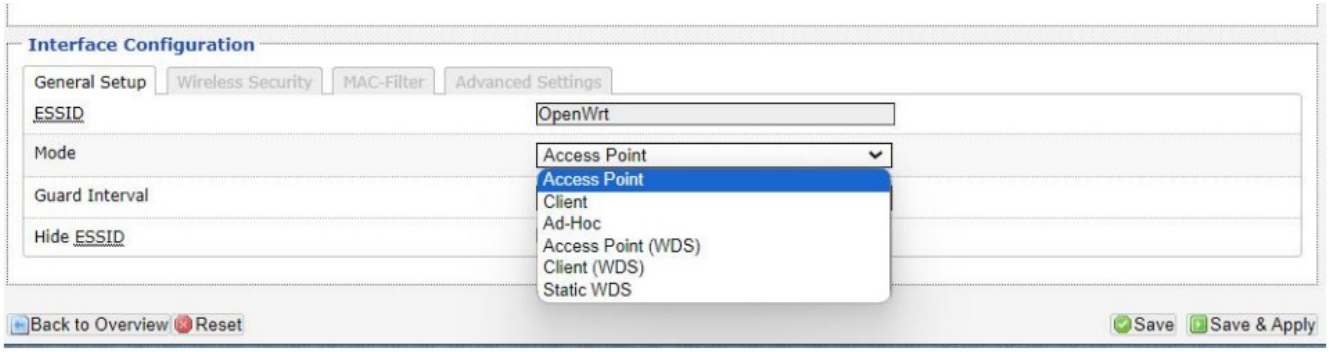
The detail information show in the picture as below:

- 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



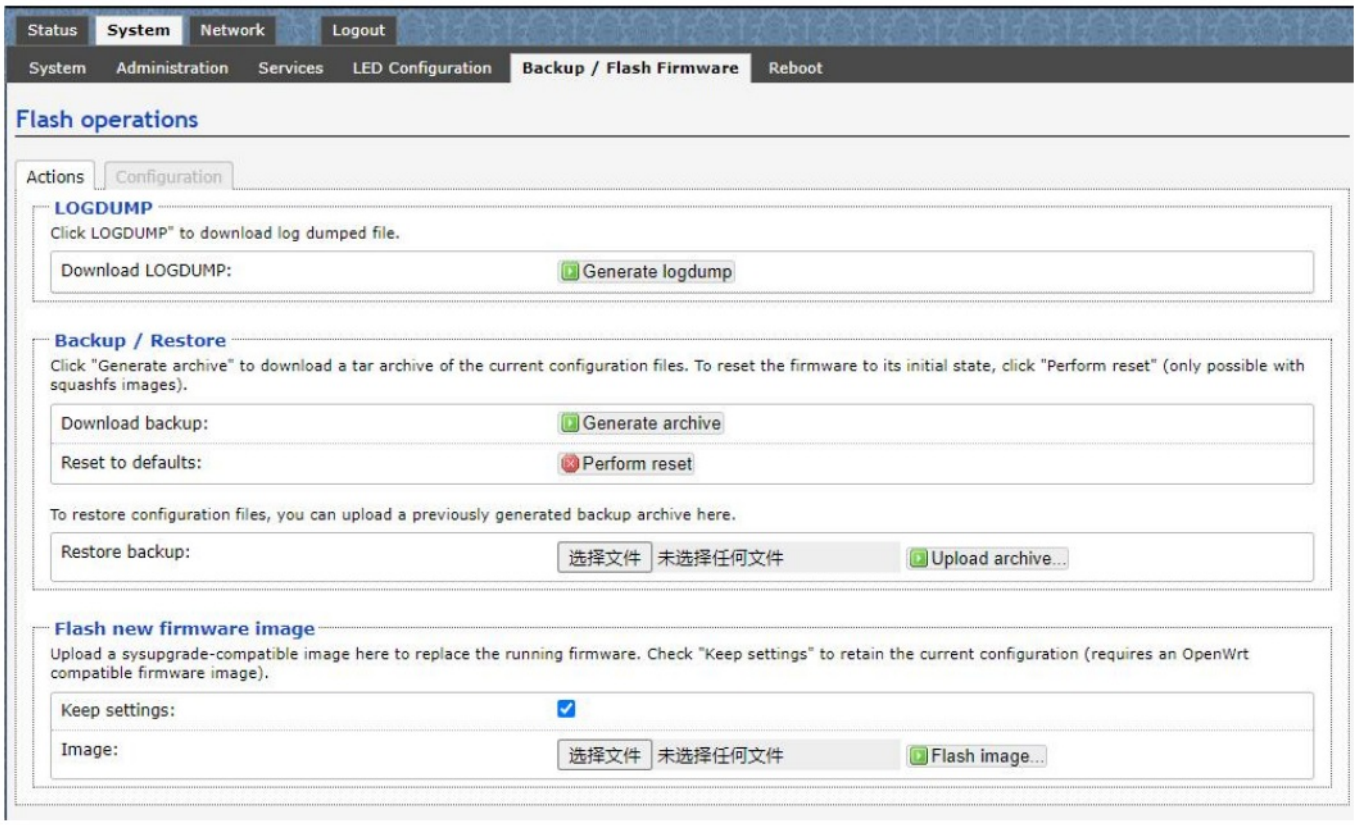
In advance setting you can select which chain do you need,which BW do you need and so on



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

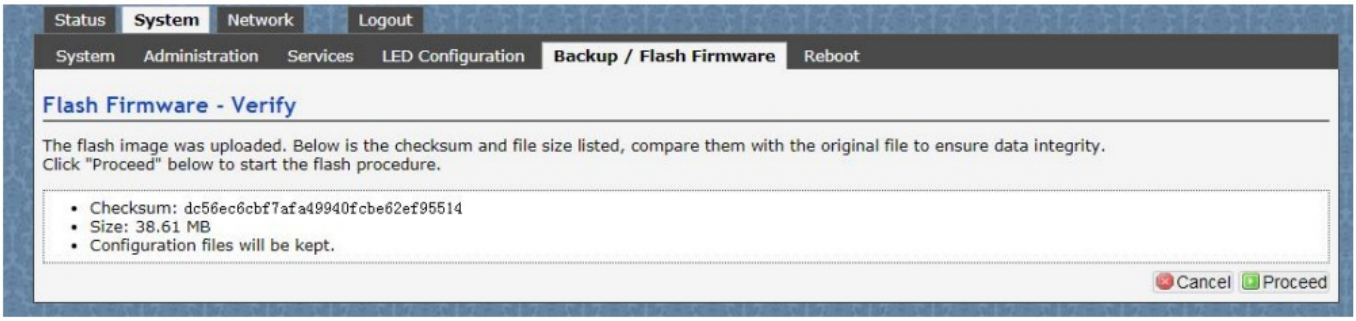
5. Backup archive

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



6. Update new image

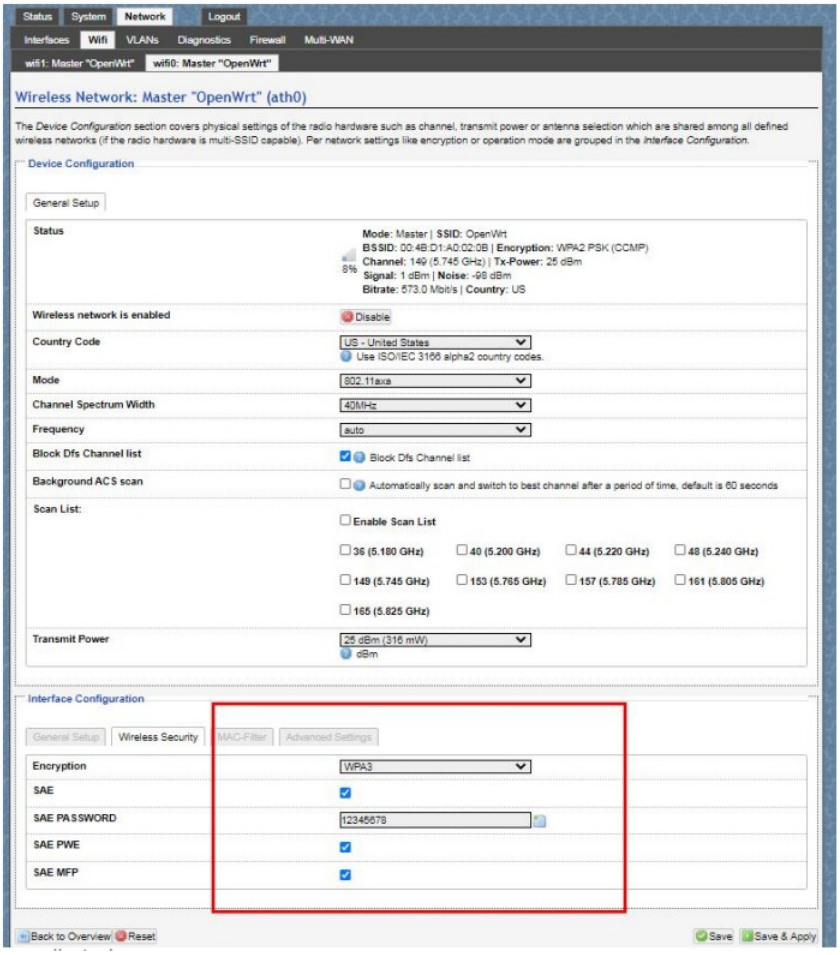
Login System->Backup/Flash Firmware;Then click the button “ flash image” Then click the button “Proceed” warning don’t power off wait for about three minutes Then the system will reboot automatic.Then login again,you can enjoy it.



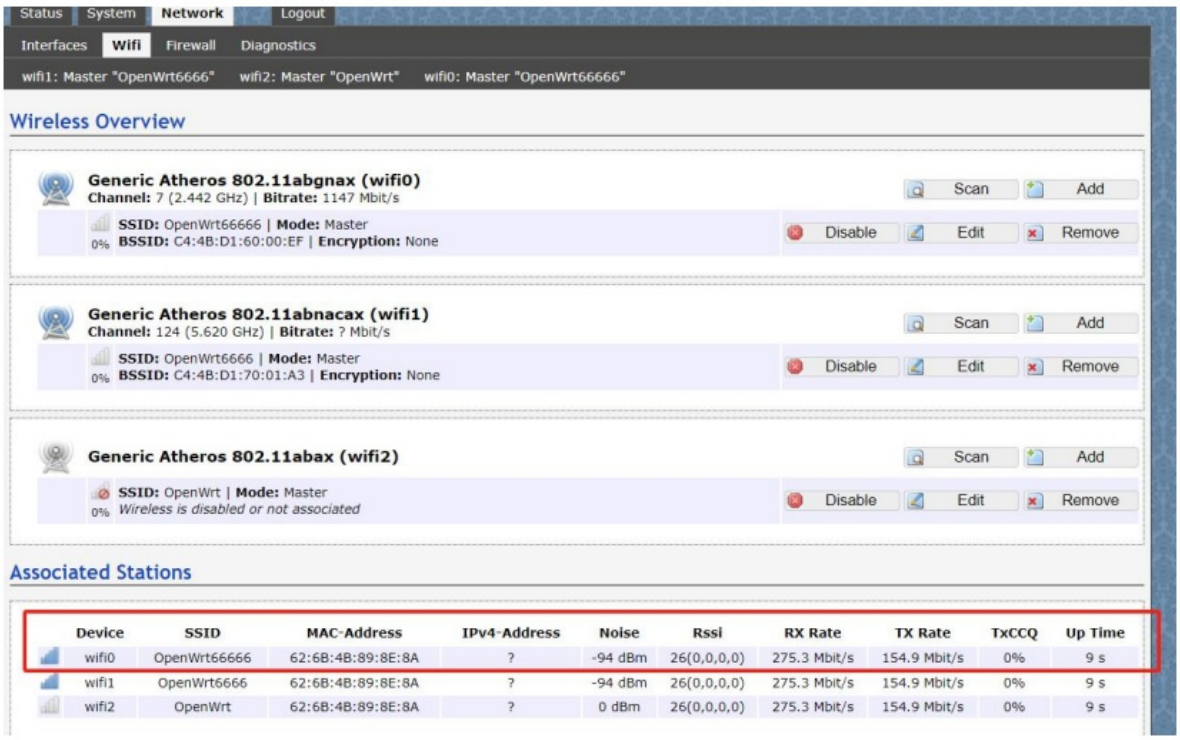
7. wireless encryption

Login System->Network/wifi/Edit->Choose 5G radioCountry Coad choose “ US ” click the button“Wireless Security” Then choose “WPA3” and set password

Notice: SAE/SAE PWE/SAE MFP click “ √ ”



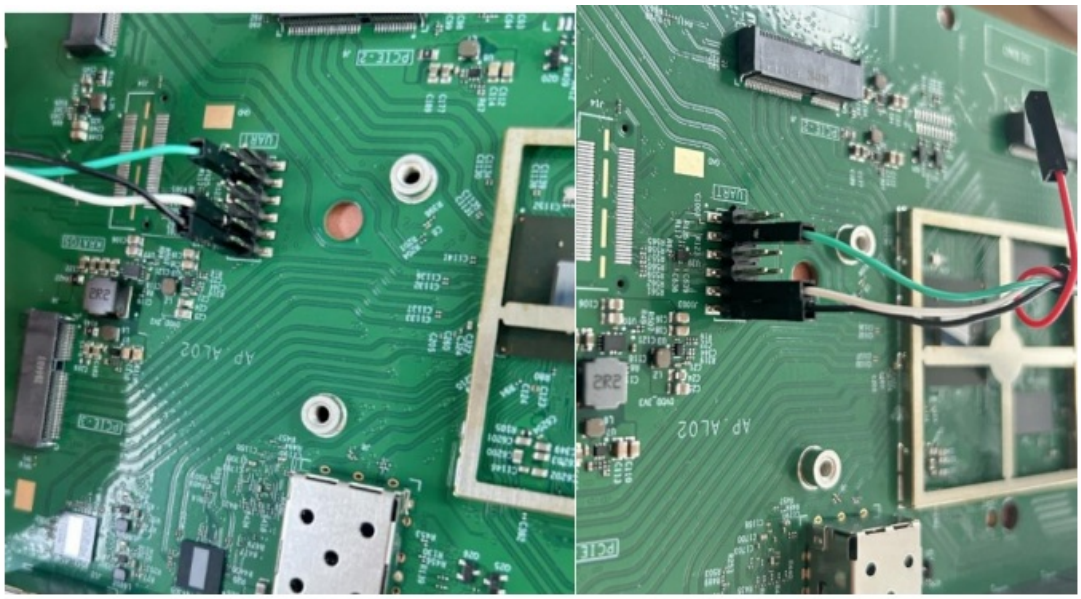
7. wireless encryption



DR9574 UART configuration

1. Introduction

The photo below shows how to use the Uart for DR9574



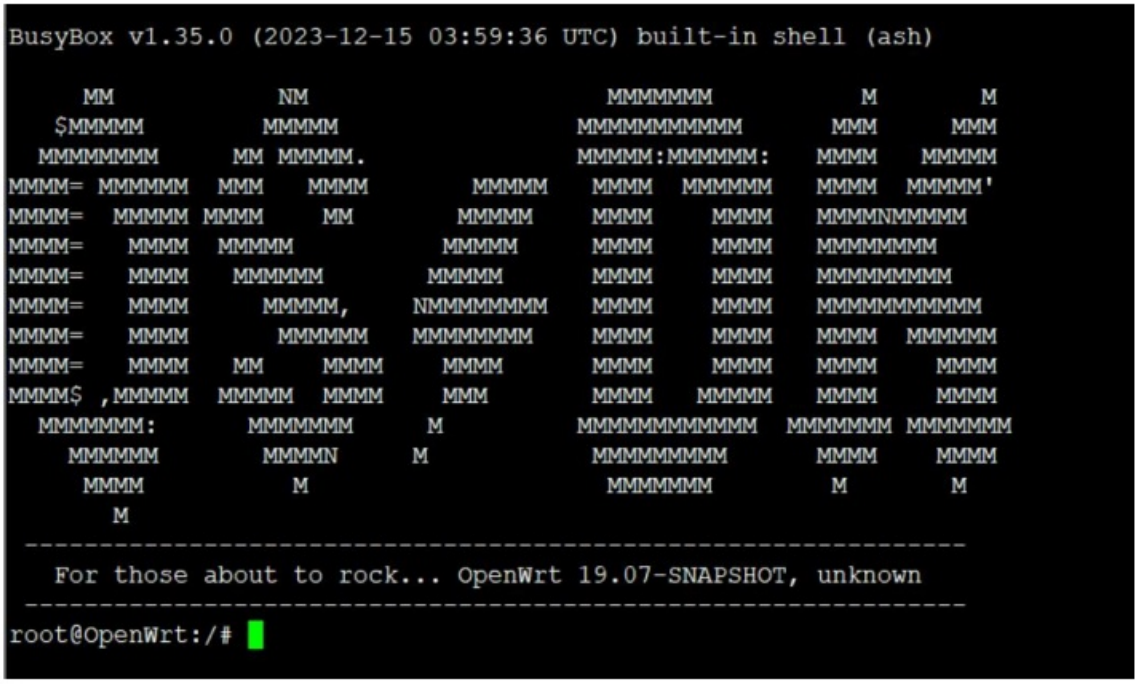
2. Device connect

Step 1: Connect the cable to the DR9574As 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 toGreen cable VCC don’t use.

Step 2: Check the Com number on the PCConnect 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 COM9

2. Device connect

Step 3 Login with the softwareYou can use putty,Xshell or some others,enjoy it.



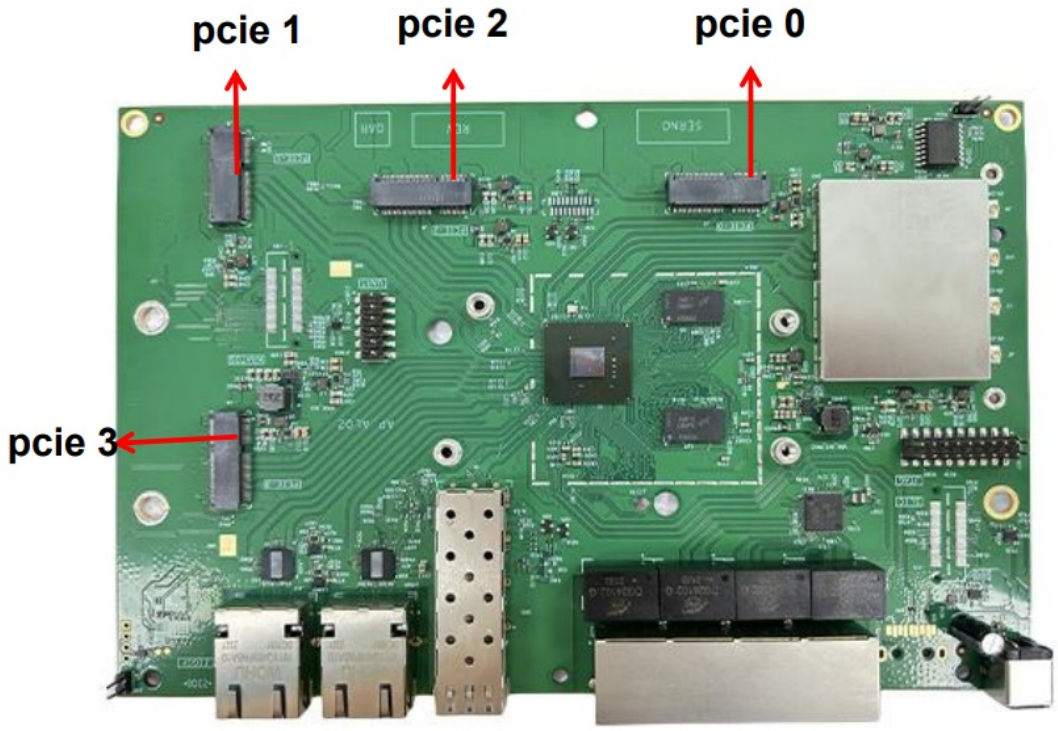
How to set up the card slot

4×4 single radio
setenv machid 8050e01
setenv bootargs ‘console=ttyMSM0,115200n8 cnss2.enable_qcn9224_support=1 cnss2.bdf_pci2=0x0002 cnss2.bdf_pci3=0x0004 cnss2.enable_mlo_support=0’saveenv

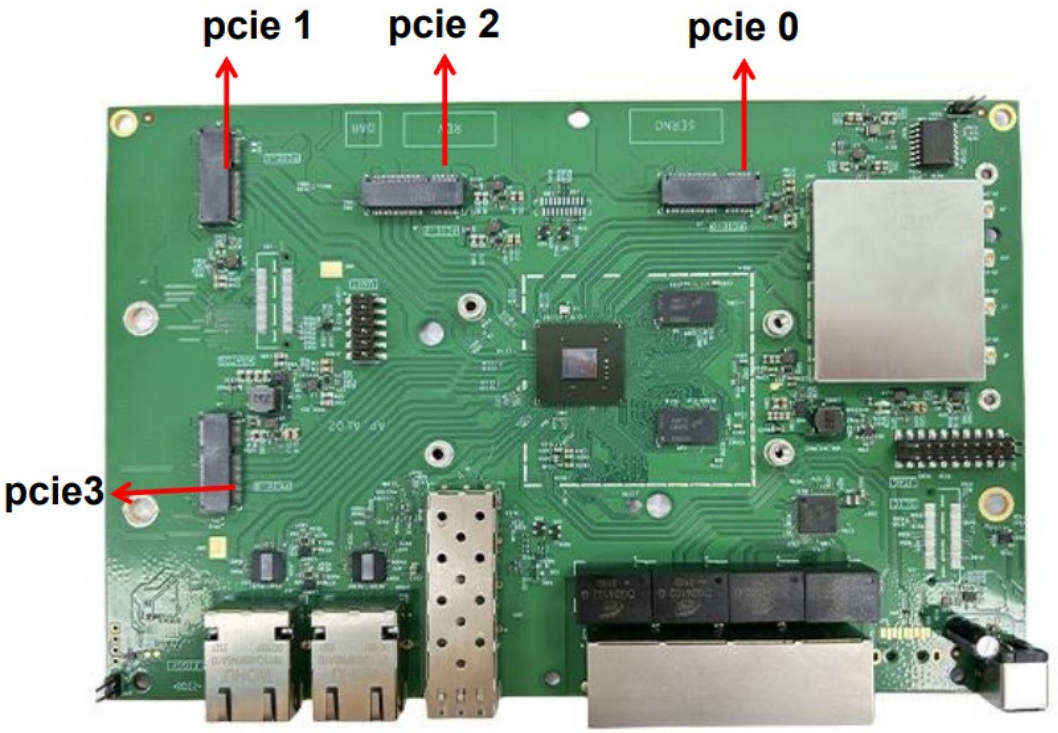
2×2 dual radio
setenv machid 8050e01
setenv bootargs ‘console=ttyMSM0,115200n8 cnss2.enable_qcn9224_support=1 cnss2.bdf_pci2=0x1006 cnss2.bdf_pci3=0x1003 cnss2.enable_mlo_support=0’saveenv

0002 represent DR9274-5G radio
0004 represent DR9274-6G radio
1006 represent DR9274-5G6G radio
1003 represent DR9274-2.4G5G radio

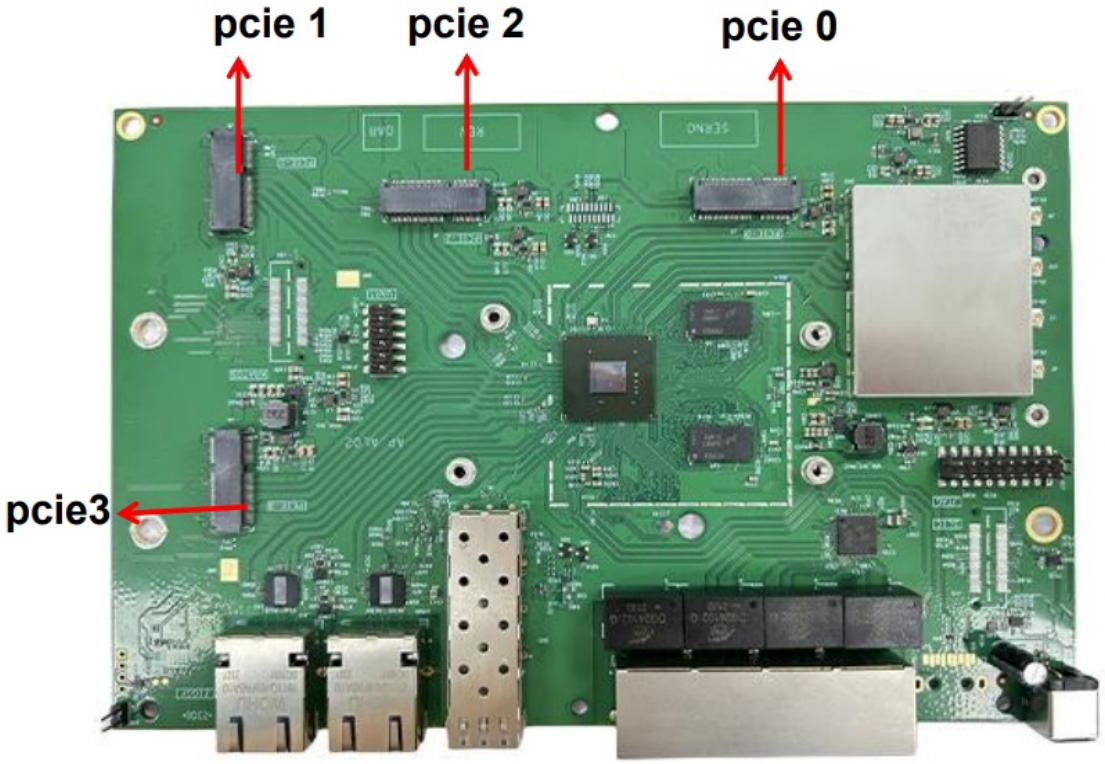
You can configure the DR9274 card slot 0-3 as desired



For example set one card
if you want pcie 0 support DR9274-5G;you can under uboot
enter cnss2.enable_qcn9224_support=1 cnss2.bdf_pci0=0x0002 cnss2.enable_mlo_support=0’than saveenvthan reset.

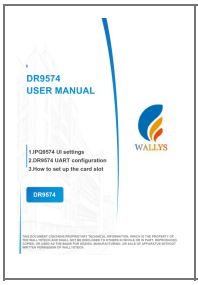


For example set one card
if you want pcie 2 support DR9274-5G;you can under uboot
enter cnss2.enable_qcn9224_support=1 cnss2.bdf_pci2=0x0002 cnss2.enable_mlo_support=0’than saveenvthan reset.



For example set two card
if you want pcie 3 support DR9274-5G;
pcie 2 support DR9274-6G;you can under ubootenter setenv bootargs 'console=ttyMSM0,115200n8 cnss2.enable_qcn9224_support=1 cnss2.bdf_pci3=0x0002 cnss2.bdf_pci2=0x0004 cnss2.enable_mlo_support=0'than saveenv than reset.

Documents / Resources

	WALLYS DR9574 Communications WiFi Routerboard and Wifi Network [pdf] User Manual DR9574 Communications WiFi Routerboard and Wifi Network, DR9574, Communications WiFi Routerboard and Wifi Network, WiFi Routerboard and Wifi Network, Routerboard and Wifi Network, Wifi Network

References

- Wallys 802.11ax, wifi 6, IPQ4029,IPQ4019,IPQ6018,IPQ6000.Router board, wireless card.Access Point-Wallys Communications (Suzhou) Co., LTD
- User Manual