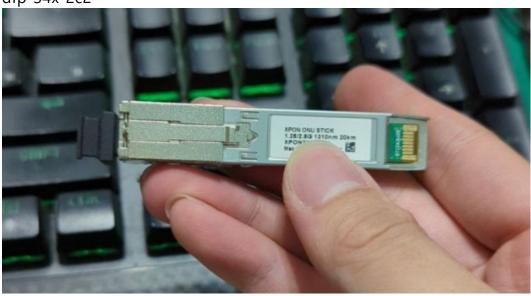
更換 SFP GPON ONU (Hinet)

設備

- 1. CCR1009-7G-1C-1S+ (https://mikrotik.com/product/CCR1009-7G-1C-1Splus)
- 2. dfp-34x-2c2

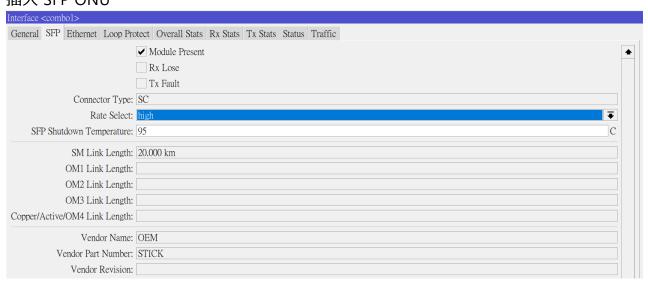


參考資料

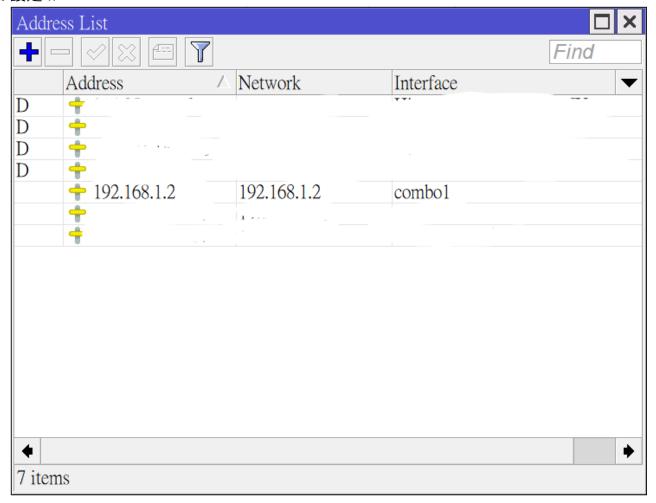
Hacking RTL960x (https://github.com/Anime4000/RTL960x)

步驟

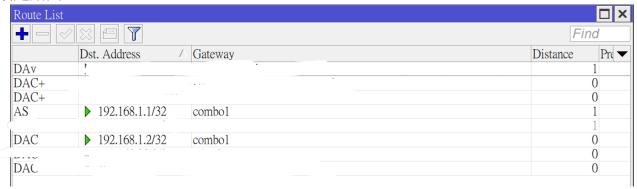
1. 插入 SFP ONU



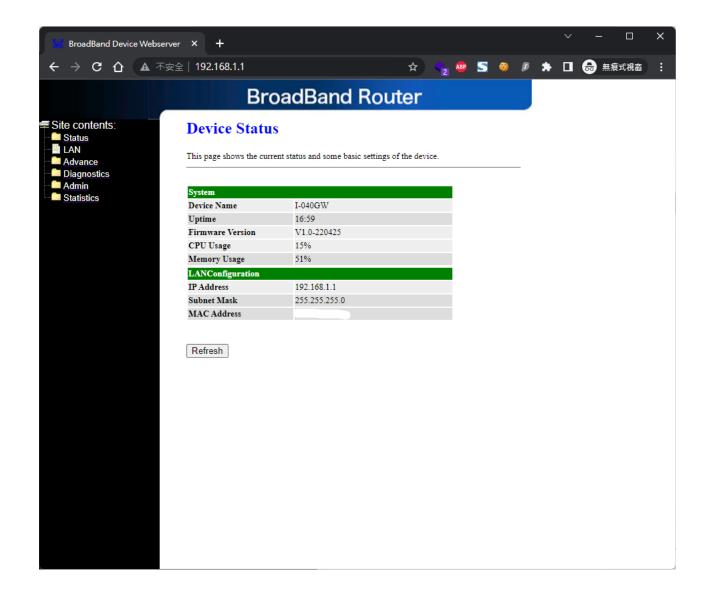
2. 設定 IP



3. 設定路由



4. 即可開啟 ONU 管理介面 http://192.168.1.1 (http://192.168.1.1)



5. 備份初始設定



6. ssh 連上 ONU 更改設定

Unable to negotiate with 192.168.1.1 port 22: no matching key exchange metho

ssh 要加上

-oKexAlgorithms=+diffie-hellman-group1-sha1 -o Ciphers=3des-cbc

```
PS C:\Users\ '> ssh -oKexAlgorithms=+diffie-hellman-group1-sha1 -o Ciphers=3des-cbc admin@192.168.1.1
admin@192.168.1.1's password:

BusyBox v1.12.4 (2022-04-25 12:39:37 CST) built-in shell (ash)
Enter 'help' for a list of built-in commands.

# |
```

7. 修改設定

填入資訊可參考<u>Stock_ONU.md</u> (https://github.com/Anime4000/RTL960x/blob/main/Docs/Stock_ONU.md)

```
flash set GPON_PLOAM_FORMAT 1
 1
 2
     flash set GPON PLOAM PASSWD DEFAULT012(Hinet專線號碼即SLID)
     flash set GPON_ONU_MODEL I-040GW(Hinet設備型號)
 3
     flash set GPON SN GTHG12345678(Hinet設備Serial Number)
 4
 5
     flash set PON VENDOR ID GTHG
     flash set HW HWVER 3FE99997HGW001(Hinet設備硬體版本)
 6
     flash set OMCI SW VER1 I040GWR200110(Hinet設備韌體版本)
 7
     flash set OMCI_SW_VER2 I040GWR200110(Hinet設備韌體版本)
 8
     flash set OMCC_VER 128
9
     flash set OMCI TM OPT 0
10
     flash set OMCI_FAKE_OK 1
11
12
     flash set OMCI_OLT_MODE 21
13
     reboot
```

重開機後在 PON Status 可能會看到 LOID Status 在 Initial Status , 這是正常的因為 Hinet 沒用到 LOID

BroadBand Router

Site contents: Status Device PON LAN Advance Diagnostics Admin

Statistics

PON Status

This page shows the current system status of PON.

PON Status		
Temperature	49.476563 C	
Voltage	3.295100 V	
Tx Power	2.651722 dBm	
Rx Power	-17.189663 dBm	
Bias Current	16.800000 mA	

GPON Status	
ONU State	05
ONU ID	0
LOID Status	Initial Status
Refresh	

8. 查看 vlan

1 omcicli mib get 84

```
BusyBox v1.12.4 (2022-04-25 12:39:37 CST) built-in shell (ash)
Enter 'help' for a list of built-in commands.
# omcicli mib get 84
VlanTagFilterData
_____
EntityID: 0x02
FilterTbl[0]: PRI 0,CFI 0, VID 1446
FwdOp: 0x10
NumOfEntries: 1
_____
_____
EntityID: 0x03
FilterTbl[0]: PRI 0,CFI 0, VID 1445
FwdOp: 0x10
NumOfEntries: 1
_____
```



• 可以兩個 Vlan 都分別先試看看

需先開啟瀏覽器開發人員工具(F12)

回到網頁選取所使用線路

我要報修:6Y*4*6*5

寬頻上網問題

<

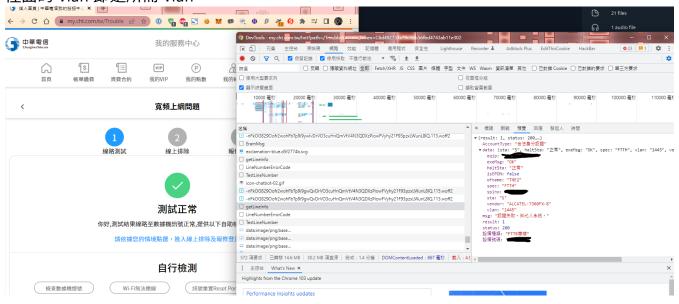
寬頻上網問題



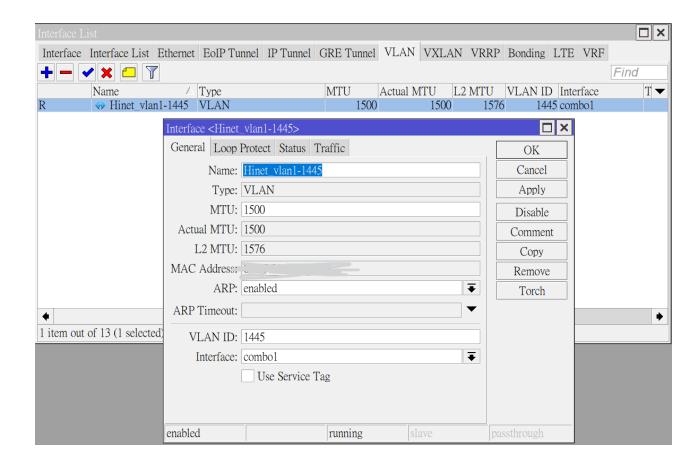
正在為您測試線路。請您稍候...

待測試完成後找尋 getLineInfo

裡面的 vlan 即是所需 vlan



9. 設定 vlan



10. 設定 PPPOE 使用上步驟 vlan

