





NH-310C HPNA3.1 Ethernet over
Coaxial Cable Endpoint
Engineering Tool Procedure

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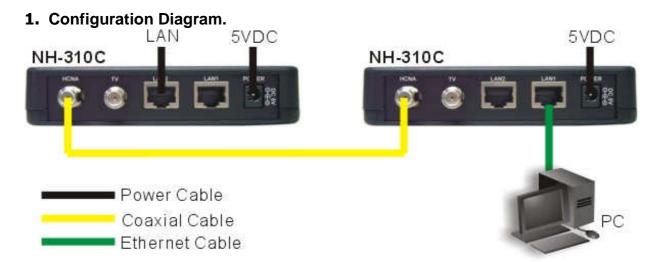
### Information

For further information on technology, delivery terms and conditions and prices please contact your nearest Netsys Distributor ( <a href="http://www.netsys.com.tw/">http://www.netsys.com.tw/</a>).

### **Warnings**

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Netsys Distributor.





## 2. Install a WinPcap.

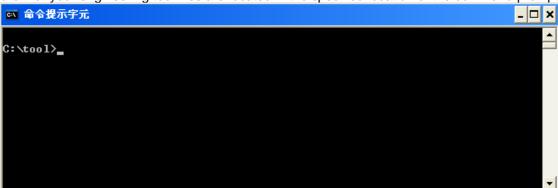
Run WinPcap installer . WinPcap is the industry-standard tool for link layer network access in Windows environment.

#### 3. Install a Visual C++

Please download visual C++ for Microsoft download web page, Please refers to the download page is as follow: http://www.microsoft.com/en-us/download/details.aspx?id=40784

## 4. Open a command prompt.

Make sure that your engineering tool files are located in the specified location of the command prompt.



# 5. List of commands for firmware update, view network or device information and reset.

5.1. **netinf**: is command for network information such as SNR, rate, Rx power and etc.

```
C:\tool>netinf
Thu Aug 13 17:36:19 2009

enabling CERT on devices
...
testing...
01) 00:05:6e:00:6f:6a->00:05:6e:00:7d:24: pkts: 1000/1000 per: 0.00e+000 snr 38
.04db, rate: 256Mbps 32/8 Rx power: -1.65 dBm
02) 00:05:6e:00:7d:24->00:05:6e:00:6f:6a: pkts: 1000/1000 per: 0.00e+000 snr 37
.88db, rate: 256Mbps 32/8 Rx power: -1.95 dBm
disabling CERT on devices
...
C:\tool>_
```



5.2. address: is command for showing MAC address information of its device.

5.3. devinf: is command for device information such as number of endpoints, MAC address, H/W version and etc.

5.4. **getstations**: is command for all the MAC address of the connected endpoints.

```
□ 本令提示字元

C:\tool>getstations

Ø0:05:6e:00:6f:6a

Ø0:05:6e:00:7d:24

C:\tool>
```



Ver. 5.5. **netper**: is command for networks packet error rate(PER).



5.6. **version**: is command for chipset version information.

```
□ □ X

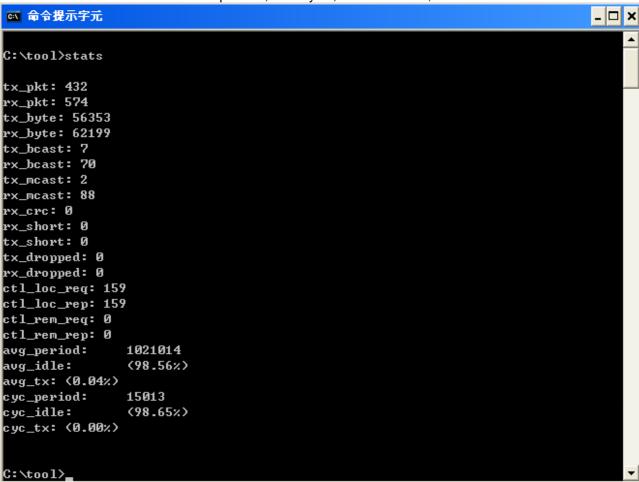
C:\tool>version

CG3210H 1.9.3

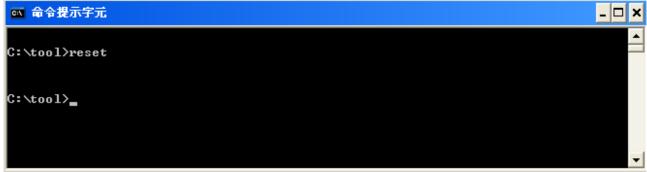
C:\tool>
□
```



5.7. **stats**: is command for tx/rx packets, tx/rx bytes, tx/rx broadcast, tx/rx multicast and etc.



5.8. **reset**: is command for resetting its device.





5.9. **um**: is command for updating the firmware. Make sure that the firmware is ".bin" file and is located at the same location in the command prompt. After writing the file name of the firmware, it will ask you to update all the firmware that is connected or you can specify which device to update only.

```
- □ ×
🕶 命令提示字元
C:\too1>um
image file: NH-310C.bin
Updating binary image for CG3210 Coax 12-44 #1.0 KME
The devices:
1> 00:05:6e:00:6f:6a - CG3210 Coax 12-44 #1.0.KME
2> 00:05:6e:00:7d:24 - CG3210 Coax 12-44 #1.0 KME- MASTER
found 2 devices, upgrade all automatically? (y/n)
upgrade 00:05:6e:00:6f:6a - CG3210 Coax 12-44
                                              #1.0?(y/n)
upgrade 00:05:6e:00:7d:24 - CG3210 Coax 12-44
                                              #1.0?(y/n)
start updating device 2 of 2 [00:05:6e:00:7d:24]- CG3210 Coax 12-44 #1.0
Update device [00:05:6e:00:7d:24] — CG3210 Coax 12-44 #1.0 completed successful
ly.
C:\tool>
```