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

Prepared By: Aska

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**TAIPEI, TAIWAN, R. O. C**



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## 1. Configuration Diagram.


## 2. Install a WinPcap.

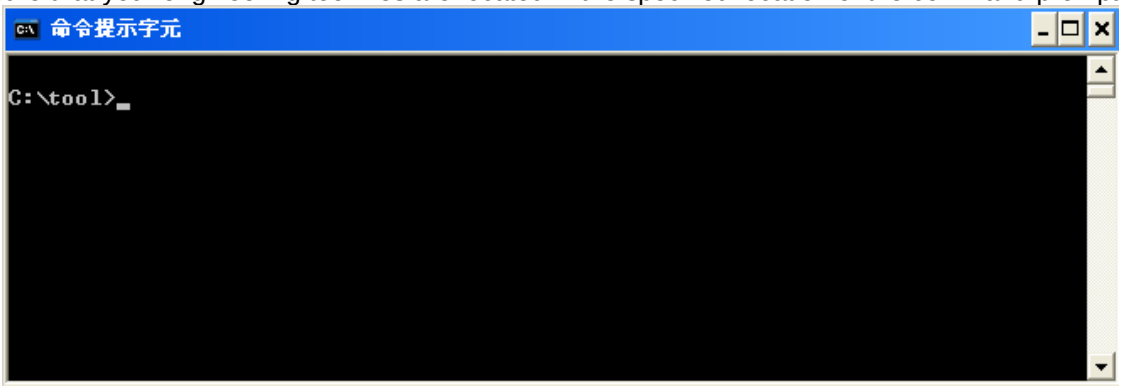
Run WinPcap installer . WinPcap is the industry-standard tool for link layer network access in Windows environment.

## 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

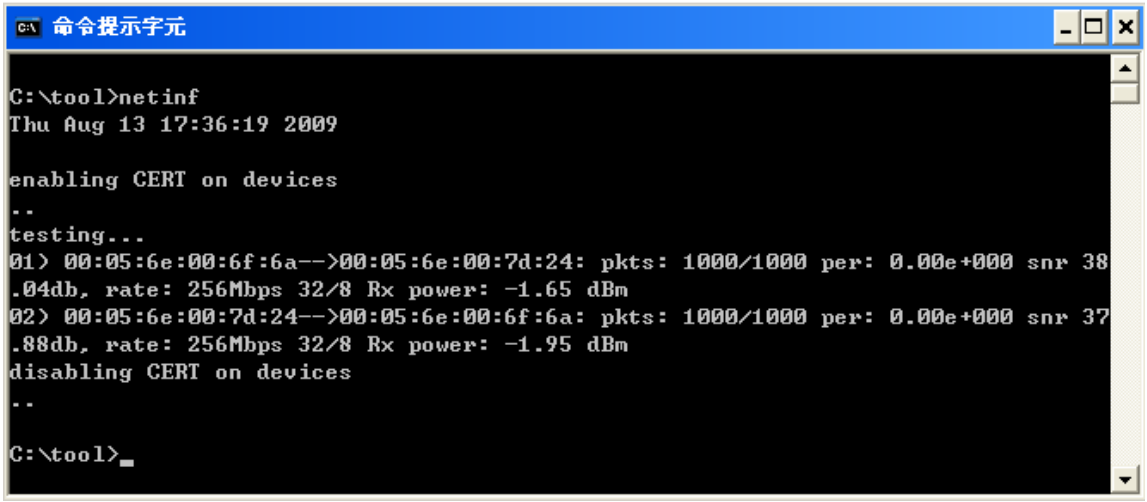
## 4. Open a command prompt.

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

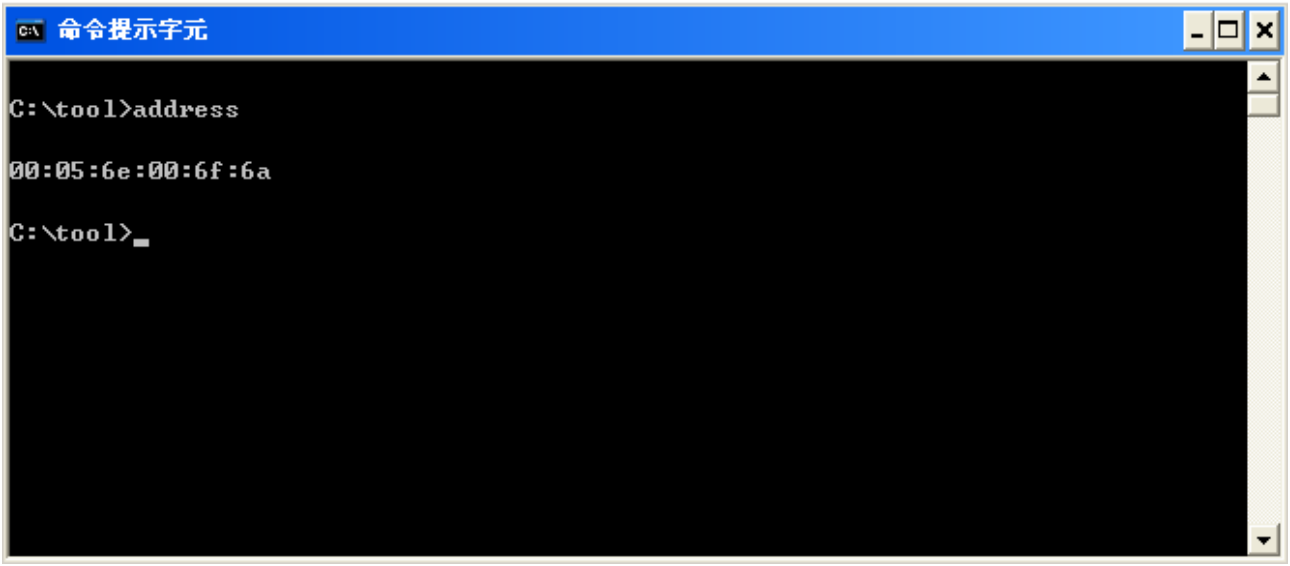



## 5. List of commands for firmware update, view network or device information and reset.

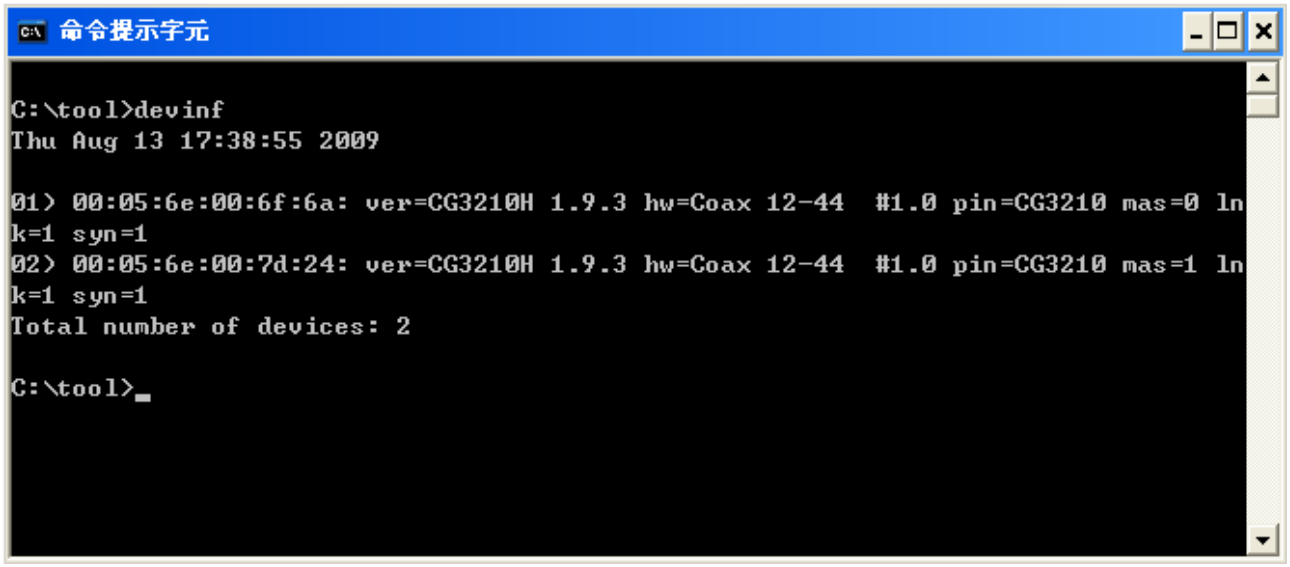
5.1. **netinf**: is command for network information such as SNR, rate, Rx power and etc.



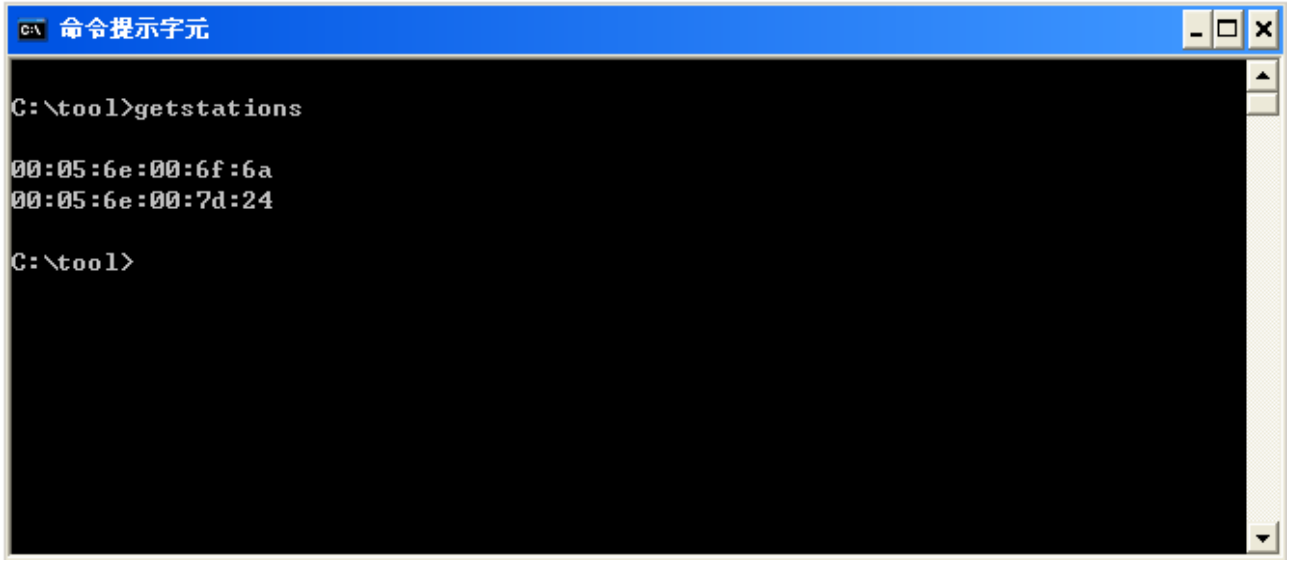
5.2. **address**: is command for showing MAC address information of its device.



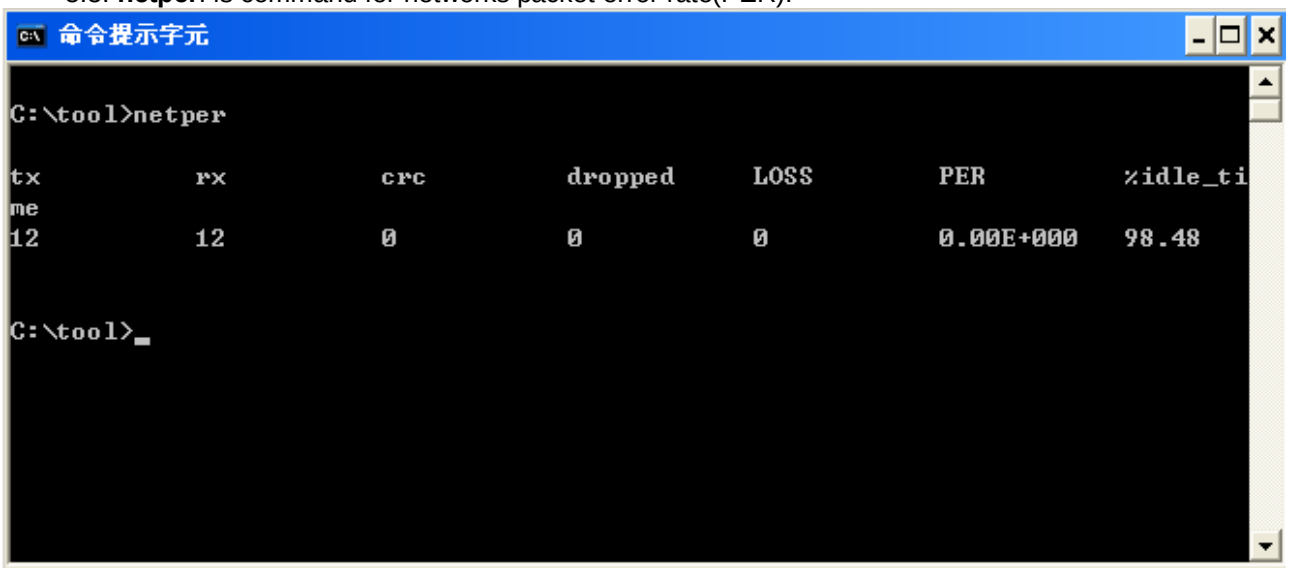

5.3. **devinf**: is command for device information such as number of endpoints, MAC address, H/W version and etc.




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

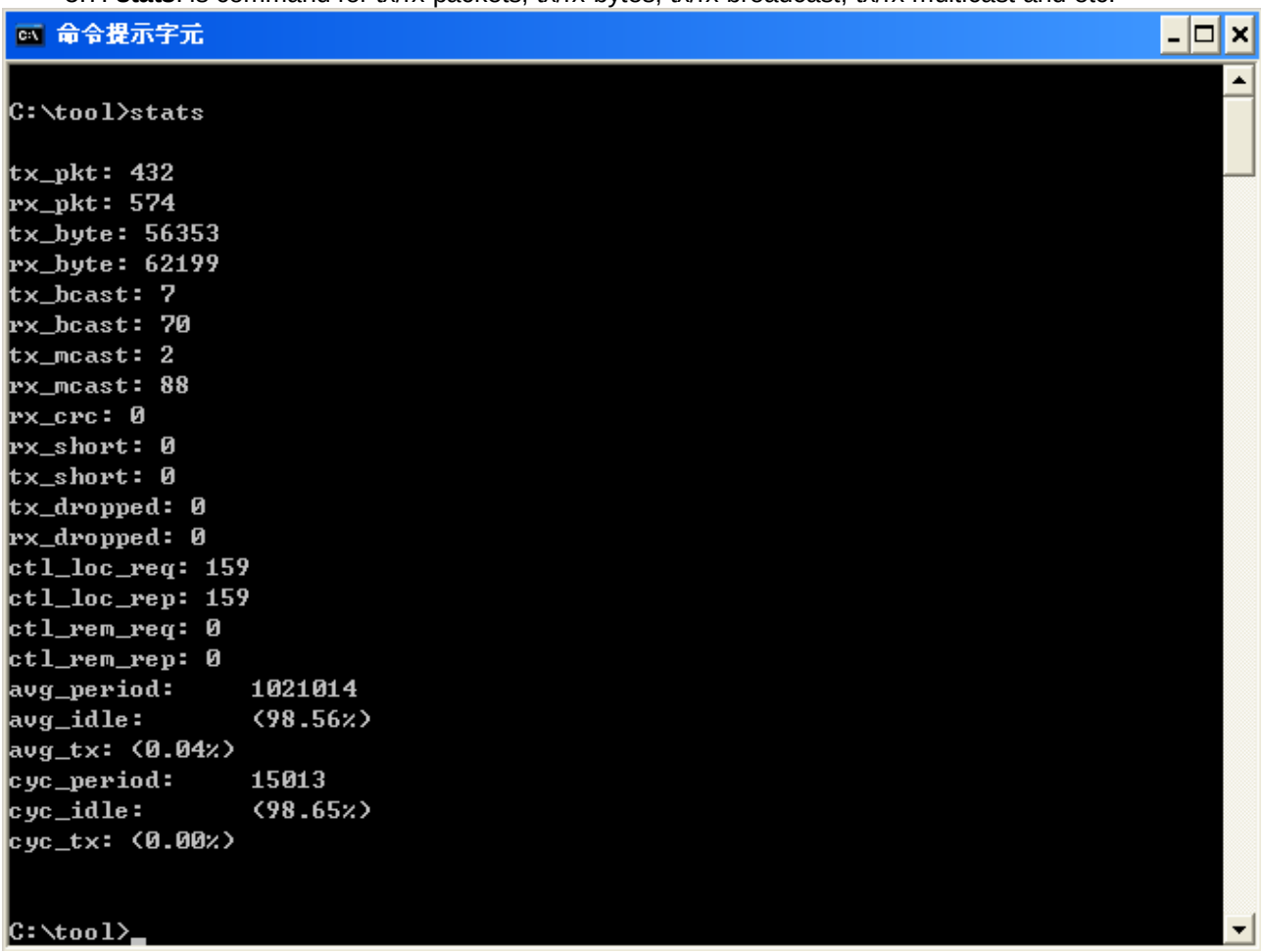


5.5. **netper**: is command for networks packet error rate(PER).

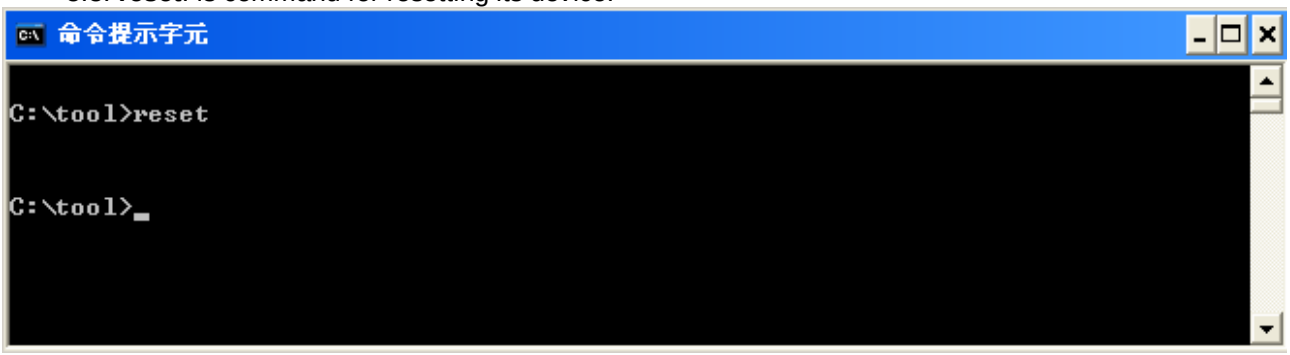



5.6. **version**: is command for chipset version information.

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.