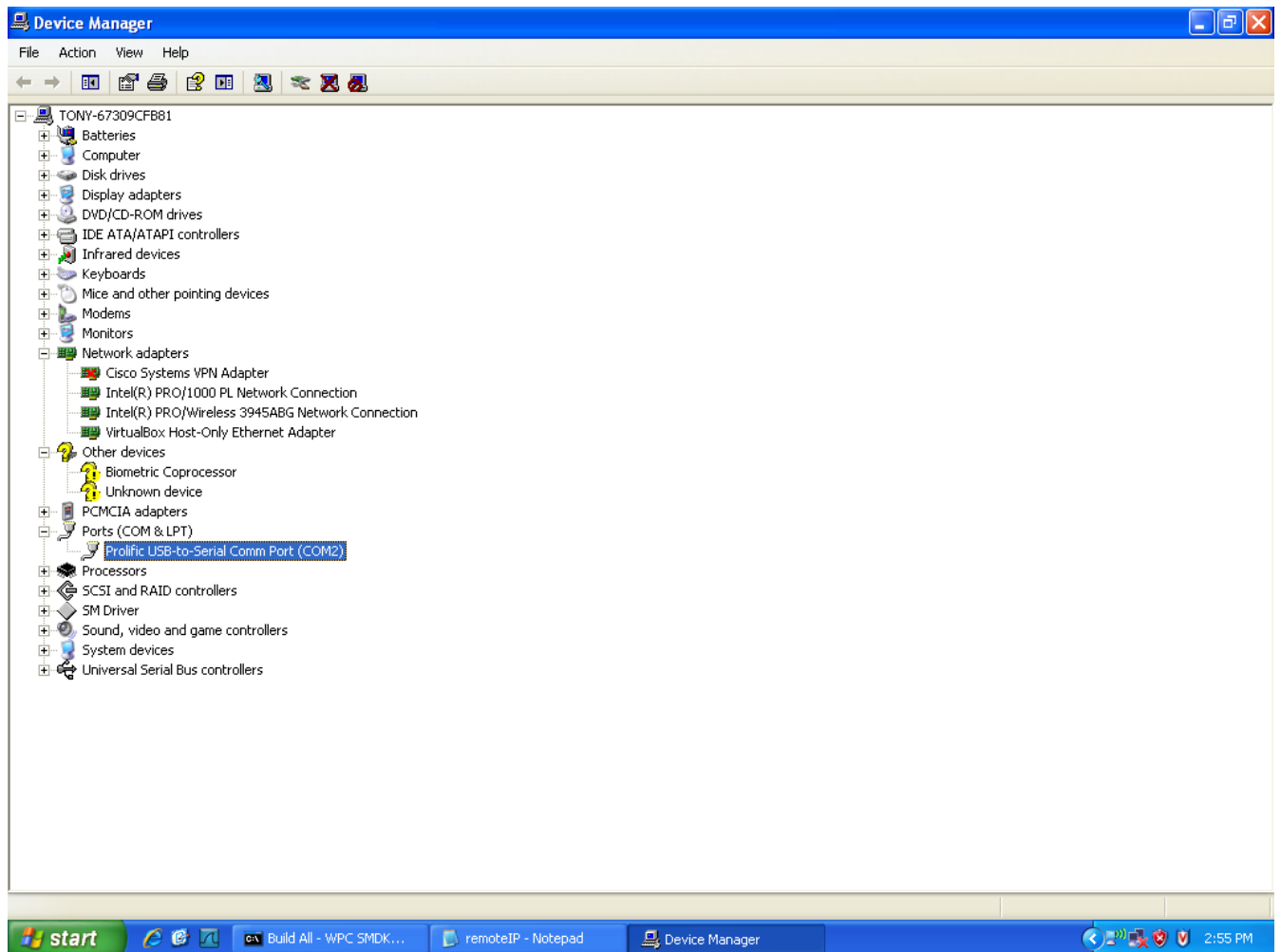
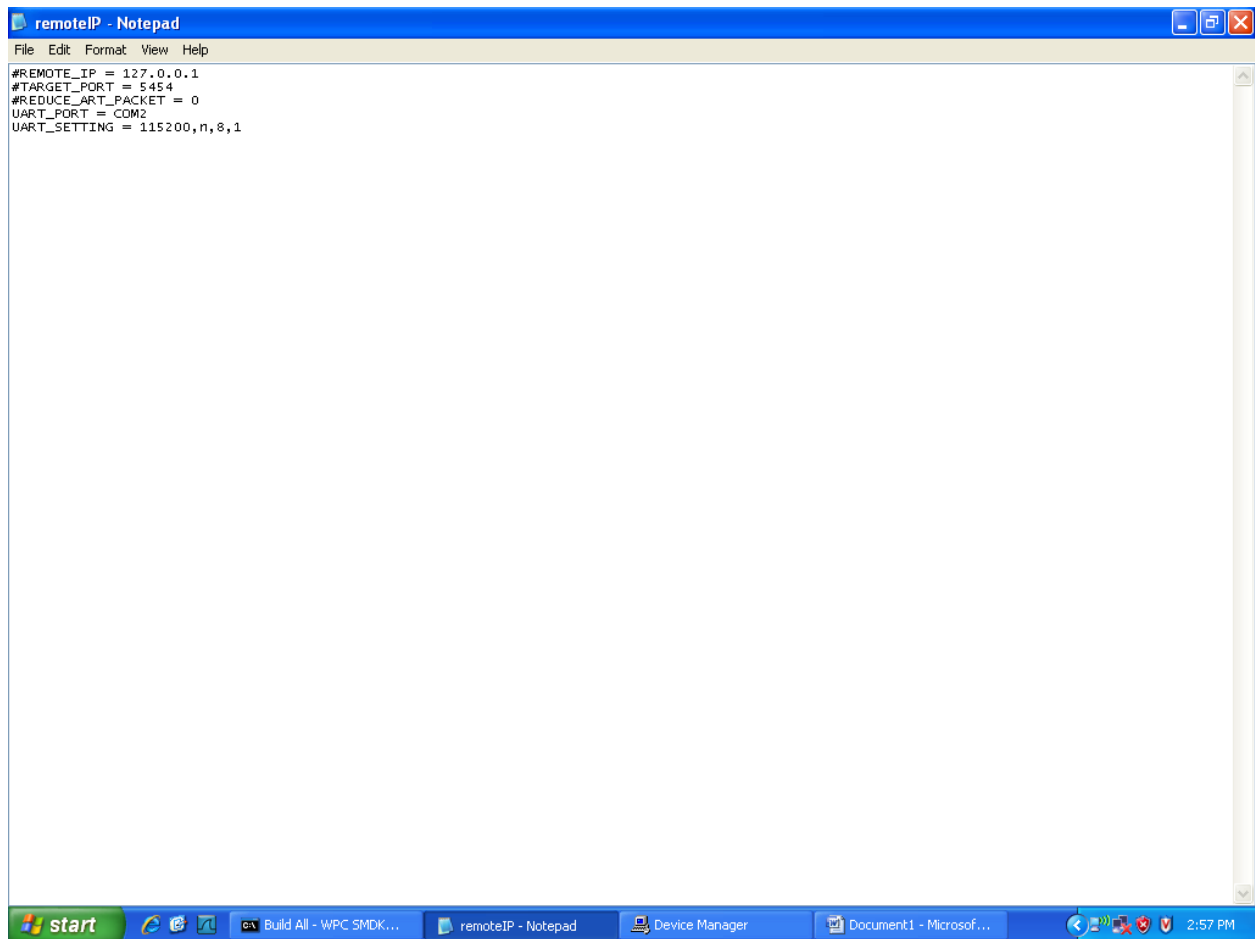


Artserialagent User Guide

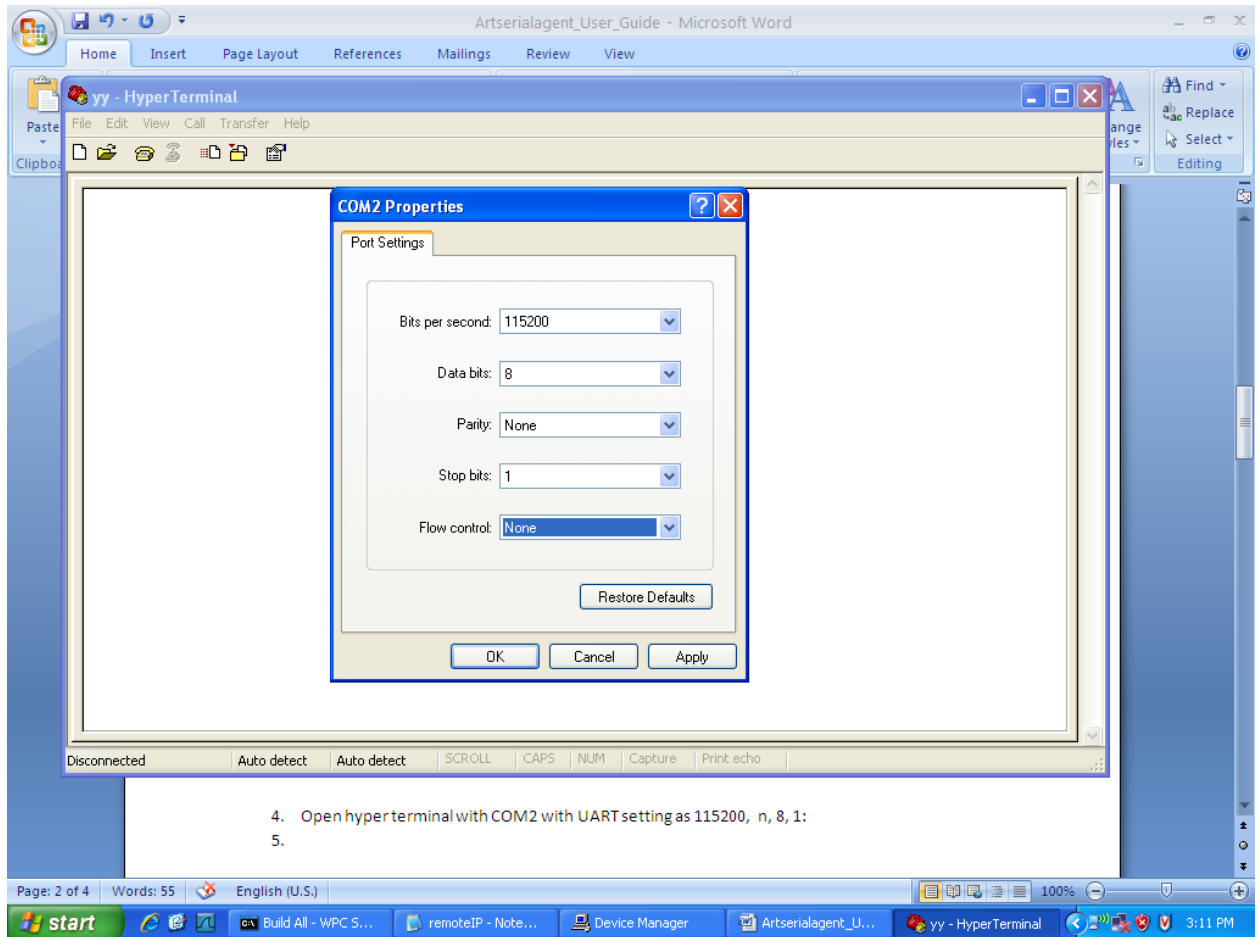
1. Connect USB-serial adapter between target board and Windows PC
2. Determine the Serial port number by using Device Manager (Wins XP), make sure the COM port number less than 3 (if it is COM41, then change it to COM2 or 3, and restart your computer)



3. Configure the corresponding COM2 (see highlight part in the above figure) in remoteIP.ini file:



4. Open hyper terminal with COM2 with UART setting as 115200, n, 8, 1:



5. On the Hyper terminal, if the target board brings up, the type the command as follows:

- Insmod compat.ko
- Insmod ath6kl_cfg80211.ko
- Insmod ath6kl_sdio.ko debug_quirks=0x10
- cp /etc/inittab /etc/inittab_yes

Make sure the line is not commented out in the file inittab_yes:

```
S:2345:respawn:/sbin/getty 115200 ttyO0
```

- cp /etc/inittab /etc/inittab_no
- Make sure the line is commented out in the file inittab_no:
- ```
S:2345:respawn:/sbin/getty 115200 ttyO0
```
- Artserialagent /dev/ttyO0 80 &

6. On Windows XP PC, type the command `lqrun_Console.exe -run tony_test.txt`

```
Document1 - Microsoft Word

Build All - WPC SMDK6410 Retail

3.INITIALIZE_DUT :3.391 s
4.LOAD_PATH_LOSS_TABLE :0.063 s
5.REMOVE_DUT :0.437 s
Total Run(s) :1
Passed Run(s) :1
Failed Run(s) on Limits :0
Failed Run(s) on Errors :0
In This Run:
 Fail(s) on Limits :0
 Fail(s) on Errors :0
 Flow Run Time :8.234
 Test Function Time :4.000

Please remove DUT, press any key to continue (x or Esc to exit)....

C:\Project-D\Iqfact_plus_AR3002_SOCKET_6004_1.0.2.Eng9\bin>
C:\Project-D\Iqfact_plus_AR3002_SOCKET_6004_1.0.2.Eng9\bin>notepad remoteIP.ini

C:\Project-D\Iqfact_plus_AR3002_SOCKET_6004_1.0.2.Eng9\bin>dir *.exe
Volume in drive C has no label.
Volume Serial Number is C808-054F

Directory of C:\Project-D\Iqfact_plus_AR3002_SOCKET_6004_1.0.2.Eng9\bin

05/21/2012 10:30 AM 84,992 devcon.exe
05/21/2012 10:30 AM 361,304 FWServer.exe
05/21/2012 10:30 AM 320,856 FWServer_gf.exe
05/21/2012 10:30 AM 94,208 instru.exe
05/21/2012 10:30 AM 77,824 IQ2010ExtTest.exe
05/21/2012 10:30 AM 106,496 Iqrun_Console.exe
05/21/2012 10:30 AM 446,464 Iqwizard.exe
05/21/2012 10:30 AM 29,528 LitePointConnectivityServer.exe
05/21/2012 10:30 AM 86,016 MpsTest.exe
05/21/2012 10:30 AM 217,088 nart.exe
05/21/2012 10:30 AM 13,312 StartLitePointConnectivityServer.exe
05/21/2012 10:30 AM 11,776 StopLitePointConnectivity_FW_Server.exe
12 File(s) 1,849,864 bytes
0 Dir(s) 29,633,974,272 bytes free

C:\Project-D\Iqfact_plus_AR3002_SOCKET_6004_1.0.2.Eng9\bin>Iqrun_Console.exe -run tony_test.txt
```

7. If successfully, it will show the following figure:

```
Build All - WPC SMDK6410 Retail
</nart COMMAND>
<nart RESPONSE>
7508 CONTROL BEGIN unload
7504 INFO !set!devId!!
7504 INFO !set!mac!!
7504 INFO !set!txChains!!
7504 INFO !set!rxChains!!
7504 INFO !set!2GHz!!
7504 INFO !set!5GHz!!
7504 INFO !set!4p9GHz!!
7504 INFO !set!HalfRate!!
7504 INFO !set!QuarterRate!!
6002 INFO Unloaded card.
7506 CONTROL DONE unload

</nart RESPONSE>
unload dut ran OK
[Wifi] vDUT_Run(REMOVE_DUT) return OK.
Test Time = 0.437 s
ERROR_MESSAGE :[Info] Function completed.

 * P A S S *

1.GLOBAL_SETTINGS :0.016 s
2.INSERT_DUT :0.093 s
3.INITIALIZE_DUT :3.391 s
4.LOAD_PATH_LOSS_TABLE :0.063 s
5.REMOVE_DUT :0.437 s
Total Run(s) :1
Passed Run(s) :1
Failed Run(s) on Limits :0
Failed Run(s) on Errors :0
In This Run:
 Fail(s) on Limits :0
 Fail(s) on Errors :0
 Flow Run Time :8.234
 Test Function Time :4.000

Please remove DUT, press any key to continue (x or Esc to exit)....
```