How to connect Developer Studio via UART2 of module

# Procedure

1. Download the R9 FW to WP76xx from following website:

<https://source.sierrawireless.com/resources/airprime/software/wp76xx/wp76xx-firmware-release-9/>

1. Make sure you can connect linux console via USB ECM port as the steps below will use the UART2 as data port.
2. Switch the UART2 to data mode by “AT!MAPUART=17,2”
3. Reboot the module
4. Use SSH to connect to module console by USB ECM port
5. Connect the UART2 of module to Ubuntu PC
6. In Ubuntu PC, type:

sudo pppd -detach crtscts lock proxyarp 192.168.1.1:192.168.1.2 /dev/ttyUSB0 460800

1. In module console, type the following commands:

stty -F /dev/ttyHSL1 raw 460800 crtscts

/usr/sbin/pppd -detach crtscts lock defaultroute 192.168.1.2:192.168.1.1 /dev/ttyHSL1 460800 &

1. You will see the following in Ubuntu PC:

owner@owner-ThinkPad-T440p:~$ sudo pppd -detach crtscts lock proxyarp 192.168.1.1:192.168.1.2 /dev/ttyUSB0 460800

Using interface ppp0

Connect: ppp0 <--> /dev/ttyUSB0

Cannot determine ethernet address for proxy ARP

local IP address 192.168.1.1

remote IP address 192.168.1.2

1. In module type the following command to disable the firewall:

iptables -F && iptables -I INPUT -j ACCEPT

1. The module now will have IP address 192.168.1.2 and Ubuntu PC will have IP address 192.168.1.1. They should be able to ping to each other.
2. Connect Developer Studio to IP address 192.168.1.2.

