USER MANUAL for USB to serial converter (PL2303)

- Linux

Step:

1. Under root folder, create a new folder and copy PL-2303 source code to new folder.

2. Open "Makefile" with GEDIT or KATE under new folder.

3. Modify line 5 "KINCLUDES=/usr/src/linux/include".

Example: "KINCLUDES=/usr/src/linux-2.4.7-10/include".

You could find folder name on Linux.

4. Open terminal mode and login root user.

5. Go to the new folder and then type "make all" to compile the PL-2303 source code. This will create two files: "pl2303.o" and "usbserial.o".

6. Type "make inst" that will install the PL-2303 Linux driver into Linux.

7. Plug the PL-2303 cable into USB port and key-in "dmesg", it will show "Prolific USB Serial Adapter converter now attached to ttyUSB0 (orusb/tts/0 for devfs)". This means the cable is now working under Linux.

Note: You must login into root user in order to successfully compile and install.

B. only explain how to link the device with our Pl2303 driver.

Step:

(1) In Makefile file, we have set a command to insert driver into Kernel, type "make inst" to insert driver.

(2) After that, type "dmesg" command then click enter.

(3) You will see messages appearing on the screen:

"usbserial.c"Prolific USB Serial Adapter converter now attached to ttyUSB0 (orusb/tts/0 for devfs)".

This means the virtual COM port is in ttyUSB0, so if you want to use this port, you need to use "ln" command to hard link with the device.

For example:

You are using PL-2303 to connect with modem. So you need to type 'ln -b /dev/ttyUSB0 /dev/modem' then click enter. If nothing happens and the screen appears as '[root@localhost / xxxxx]#', the link operation is successful. Please make sure that the modem has been properly installed in system.

Now the modem will use the PL-2303 port to do communication, you can try to use Minimum (Red Hat 7.1) AP to test.