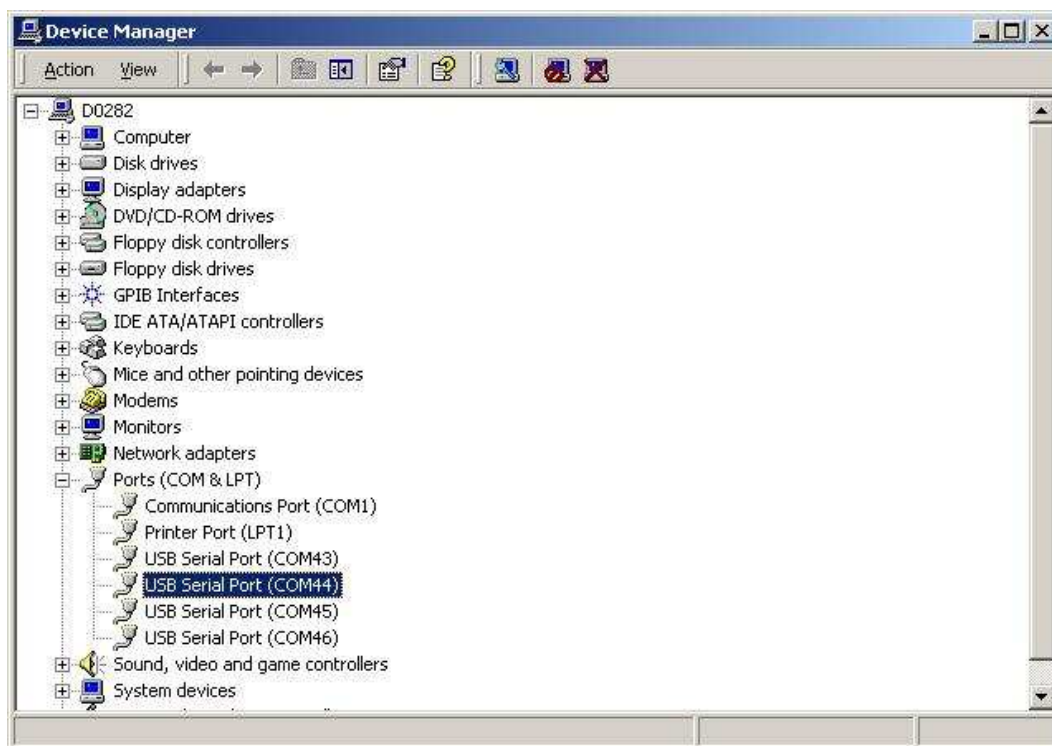


telitpython: USB_to_USB_serial_cable

If you would like to use the USB to USB cable to work with your EVK2 and PythonWin, you should setup the equipment following these steps:

1. put all the jumpers on the **USB** side on the EVK2
2. supply the EVK2
3. connect the USB to USB cable to the PC USB port first and then to EVK2 USB port.
4. a procedure asking for FTDI driver files (you need to put them in the system32 directory or in other location before) will start and you will have to repeat more time the same procedure to install four COM ports: just two of four COM ports will be available :one to send AT commands (normally the second one created) and one to print the debug messages of the Python (normally the fourth one created), if the module supports the debug port (otherwise, like in the GPS product, you should to use the port for AT commands and to use the Telit Serial Port Mux application to multiplex more virtual COMs - and debug port - on this port)
5. If you go in Control Panel --> System --> Hardware --> Device Manager, at the end of this phase you should obtain a similar situation to the following:



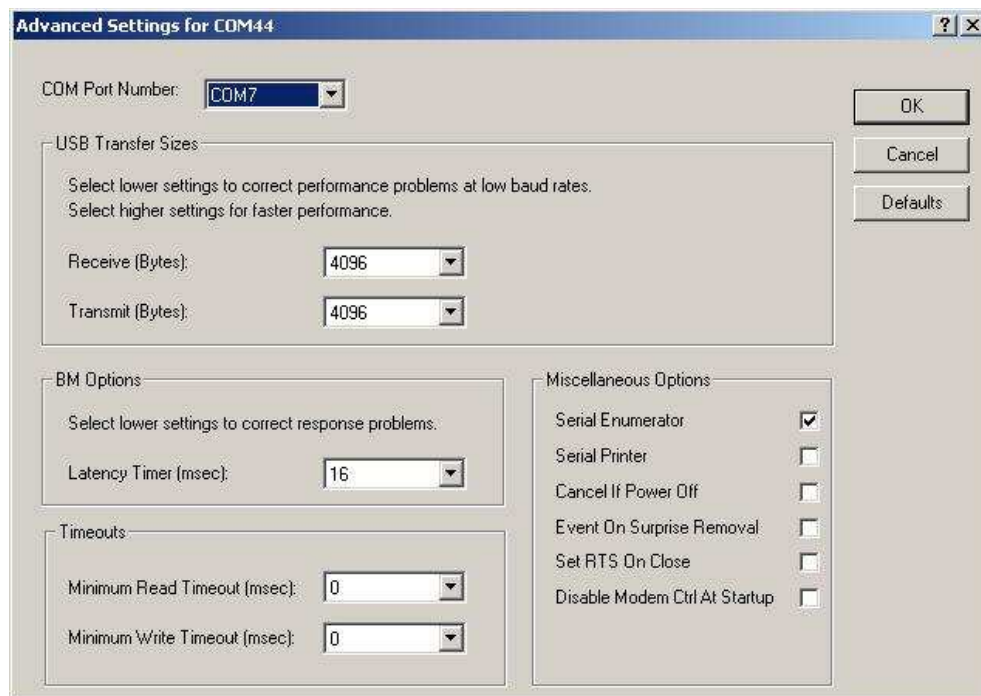
6. Try to identify the COM port to send AT command

- open a terminal emulator window (e.g. Hyperterminal) and connect it to one of the four COMs
 - then issue AT <CR>: if it is the AT command port, you should get OK message
- In the following we suppose that this port is the *COM44* port, like in the previous picture.

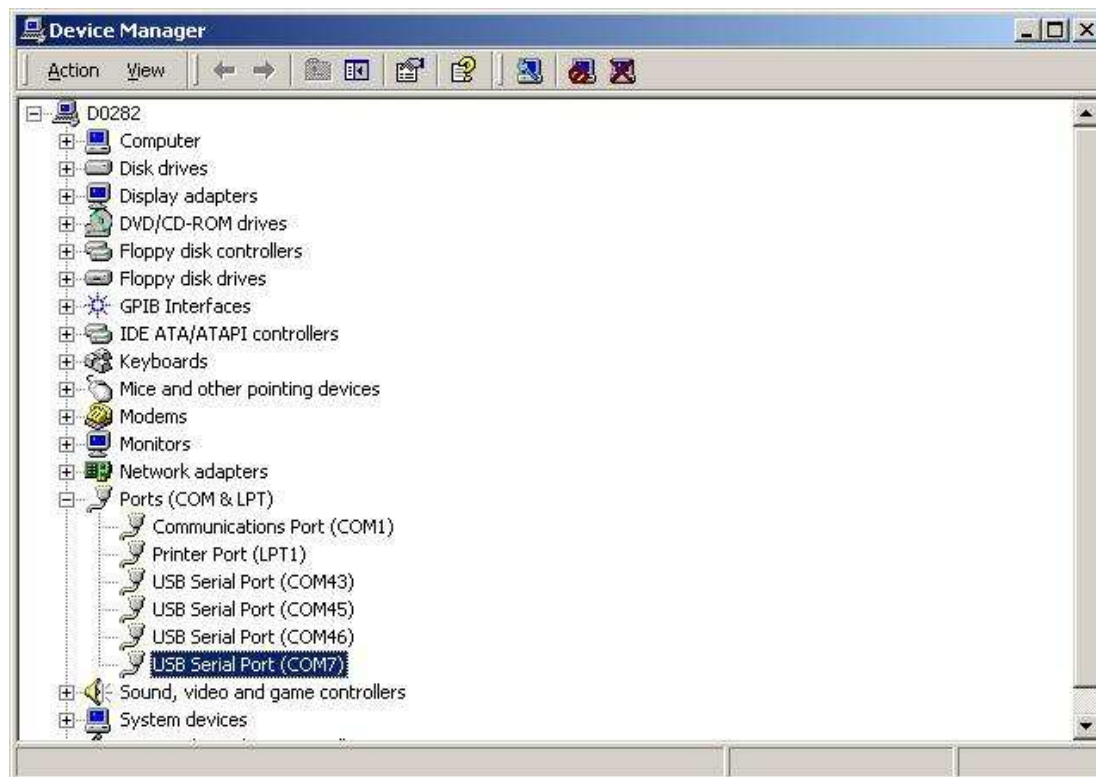
7. To use PythonWin for file downloading from the PC to the module (e.g. a .pyo file from PC to the module) that means to use the **downloading option** of the files in the contextual menu of the Python script that can be accessed by right clicking on the Python script, you need to associate the AT command port to the *MDM emulation COM port* of the **Telit COM Port Selection tool**
8. To access to **Telit COM Port Selection tool** : *Start Menù --> Programs --> Telit Python 1.5.2+ Package --> Telit COM Port Selection tool* ; you could obtain a window like this if you have selected the COM1 at the beginning of the installation -:



9. If you have the situation above, it will be impossible to use the downloading option of Python Win, because you have selected the COM1 port instead of the *COM44* port in the MDM emulation COM port. But for the PythonWin tool limitations, it's also impossible to select a COM port bigger than 9. So, you need to carry out also the following steps to "decrease" the port number:
 - a- in the Device Manager click on the COM port used to send AT commands: in our example it is the *COM44* port
 - b- then or right clicking on the COM44 and then selecting *Properties* or selecting *Action* from the top menu--> *Properties*, select *Port Settings* and then *Advanced* and set a COM port number lower than 10 not used by other tools or application, like in the following (in this case the COM nr 7 has been set):



c- the Device Manager window should change in this way:



In this way you have lowered the order of the COM port, usable by **Telit COM Port Selection tool**

10. verify that the new COM port (*COM7* in our example) is available to send AT commands: open an hyperterminal window on this port and then issue some AT commands. If this is not possible, switch off and then on the module and try again

11. access to **Telit COM Port Selection tool** : *Start Menù --> Programs --> Telit Python 1.5.2+ Package --> **Telit COM Port Selection tool*** and

put the value *COM7* in the *MDM emulation COM port* field.

12. to be sure that the port has been selected , return to access to **Telit COM Port Selection tool** : *Start Menù --> Programs --> Telit Python 1.5.2+ Package --> **Telit COM Port Selection tool*** and verify that you can observe this situation:



Instead, if you observe that the *MDM emulation COM port* field is empty, unplug and plug in again the USB to USB cable at EVK side and then repeat the step 11 to see if the port remains set

13. To verify that the port is working for file downloading, try to download a Python script (see the **DOWNLOAD** section)
14. To use the PythonWin in emulation mode for debugging, see the **DEBUG** section for the setting
15. For most common errors refere to the section ([Common-errors-possible-solutions-table](#)) **Common errors – possible solutions table**

