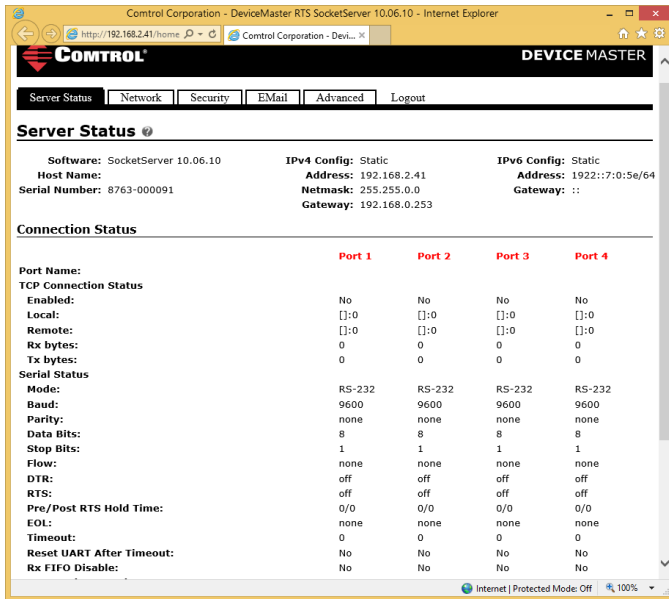
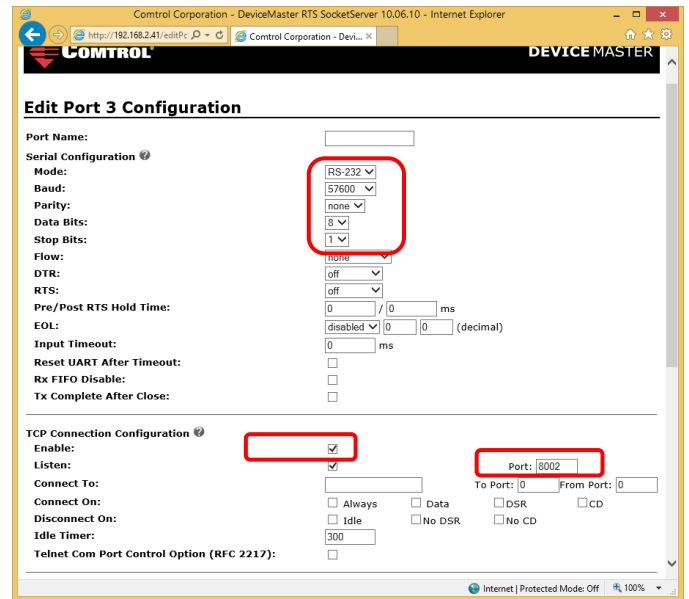


Setup and test a Winsock Connection in the DeviceMaster

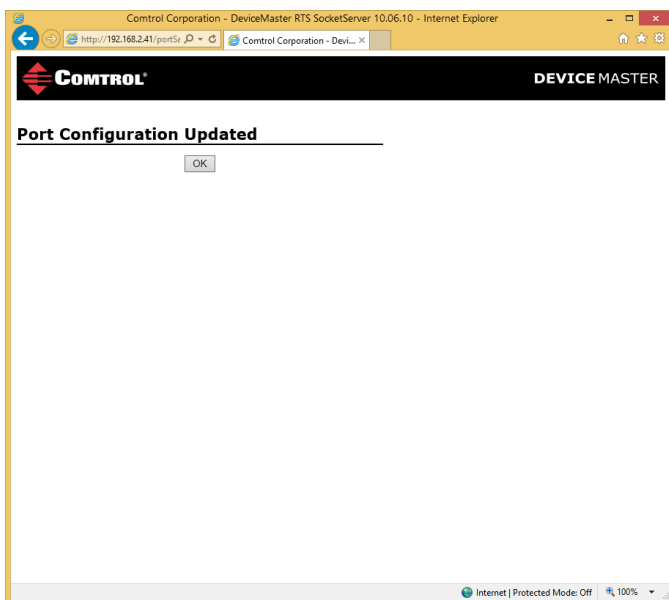
Setup the DeviceMasters physical serial port in a web browser



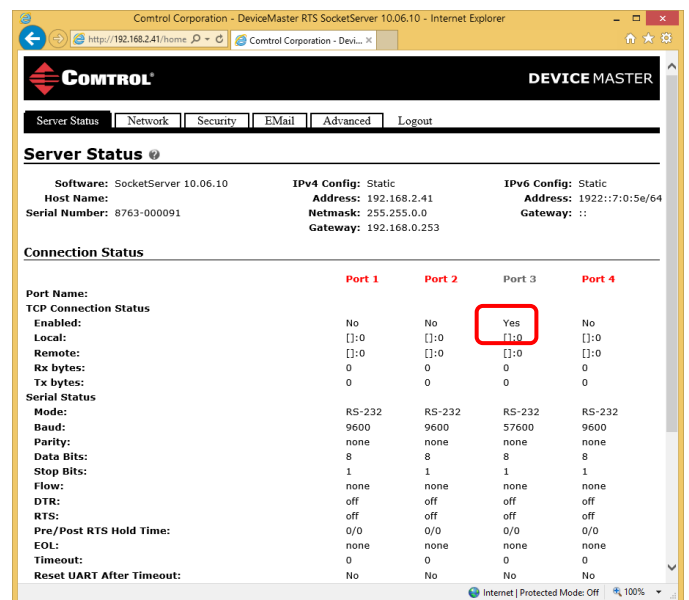
Open the web page of the DeviceMaster and click on Port3 for this exercise.



Set the serial port as needed to match the device on the other end of the serial cable. In the TCP Connection Configuration, checkmark the “Enable” option. Note the “Port” value of 8003. DeviceMasters physical serial port #1 is port 8000 The last physical serial port would be 8003 for the 4 port model, or 8031 for the 32 port model. Scroll to the bottom of the page and click ‘Save’



Click OK

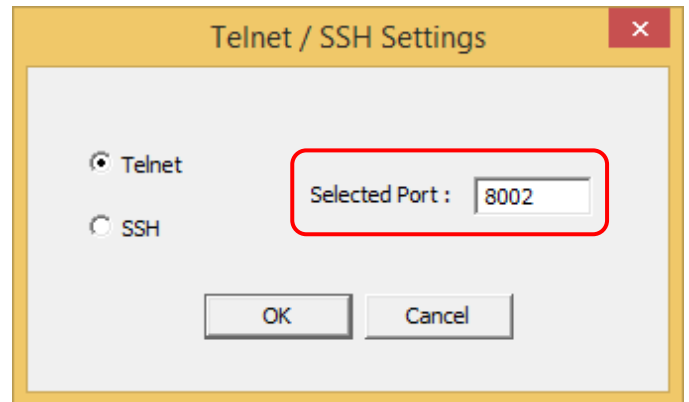
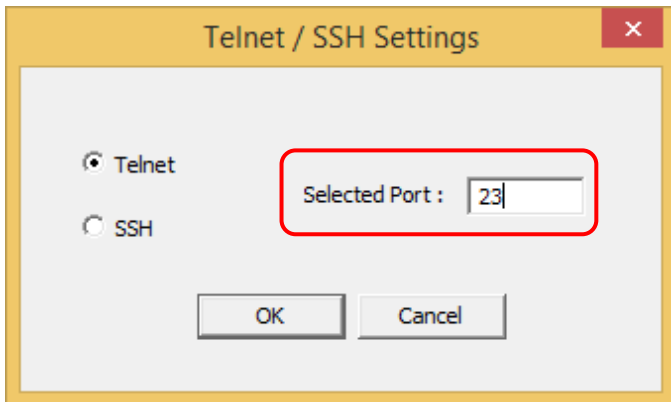


Notice the word ‘Yes’ under the Port 3 on the enabled line.

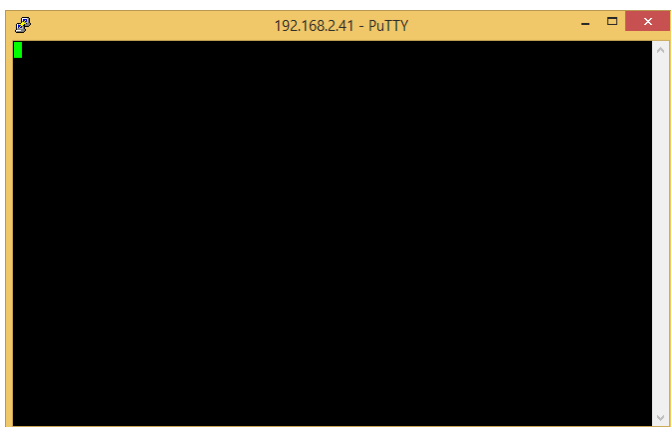
These examples will use PuTTY and Test Terminal as examples. Both of these utilities are included in PortVision DX. Place the Control supplied Loopback Plug onto the DeviceMaster physical serial port that will be tested.

Test using PuTTY

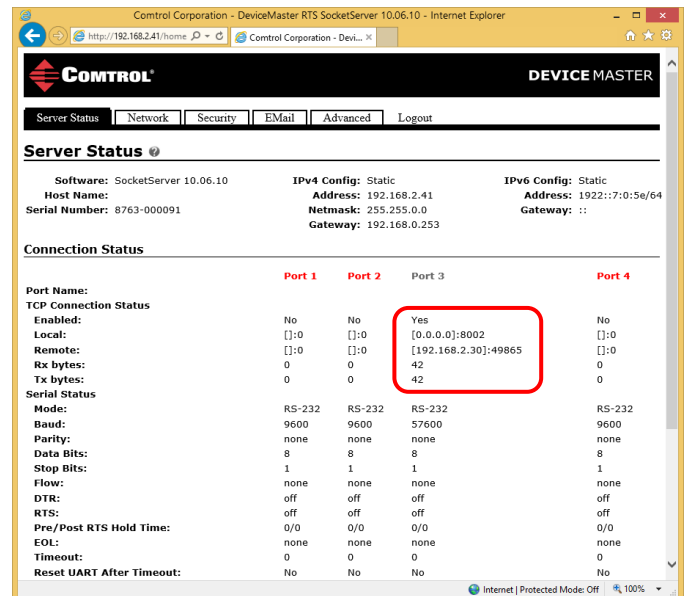
(a telnet utility included in PortVision DX)



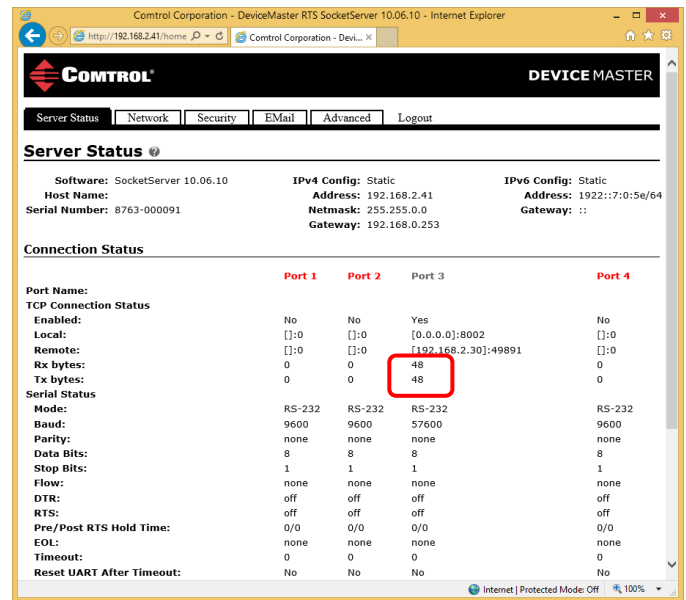
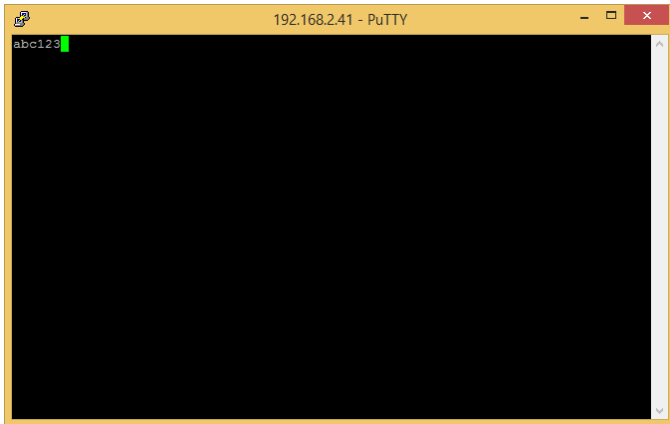
Right Click on the DeviceMaster in PortVision DX and select “Telnet / SSH Session” from the pop-up menu. Serial ports do not support SSH (Secure Shell) so leave the default Telnet option. Change the default “Selected Port:” from 23 to the socket listed for the DeviceMasters physical serial port. In this example the port is 8002.



A PuTTY session will open with a blank window.



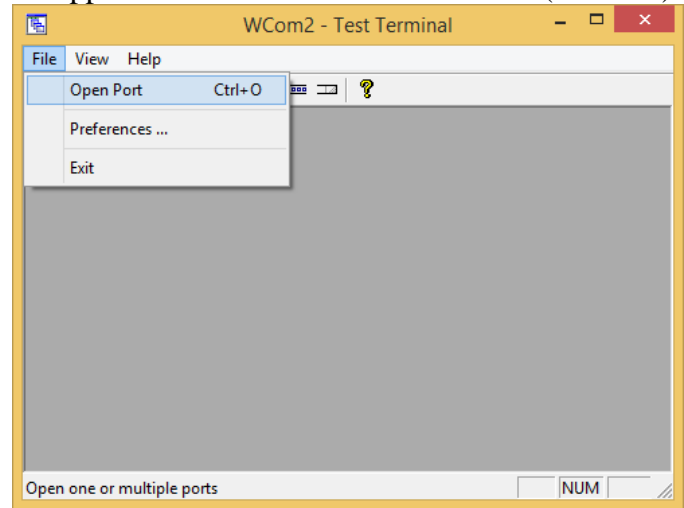
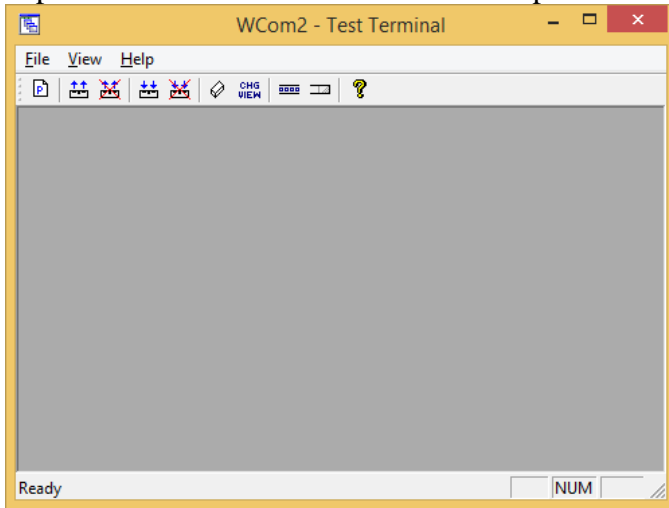
Refresh the web page and notice Local and Remote. The Remote IP address will be that of the PC, the PuTTY session is running on. Do this as often as you like to see the changes.



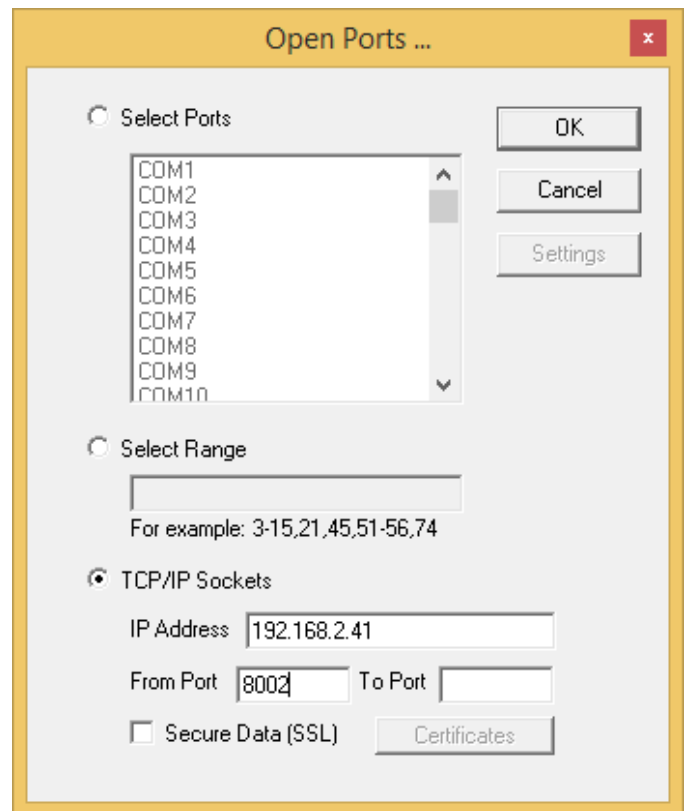
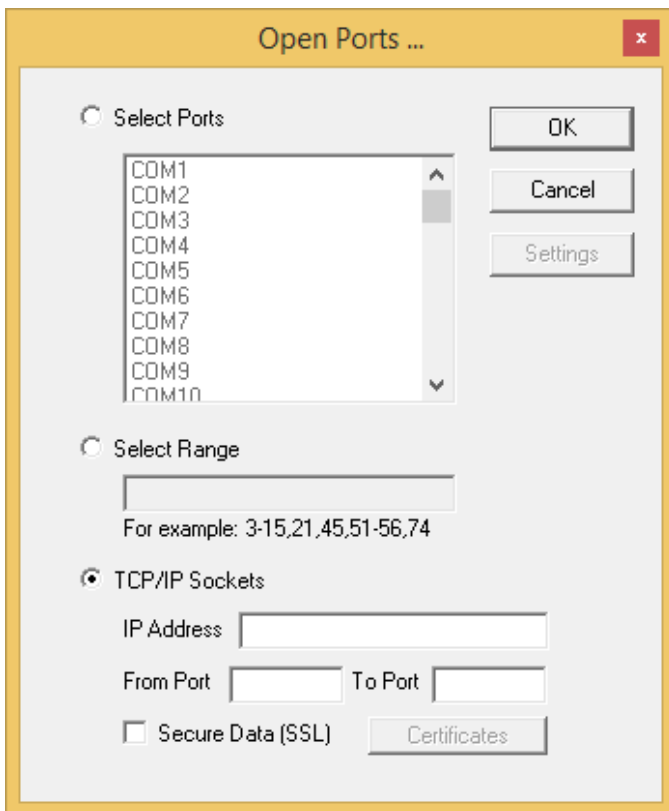
You now have a connection. When you type something into PuTTY it will be echoed to the PuTTY window.
(If you get double echoes, this is ok indicating that PuTTY has the 'Local Echo' option turned on)
Refresh the web page and you should see data values in the Rx bytes and Tx bytes.
Close PuTTY.

Test using Test Terminal (a terminal utility included in PortVision DX)

Open PortVision DX. In the “Tools” drop down menu select Applications and select Test Terminal (WCom2)



In Test Terminal from the “File” drop down menu select “Open Port”

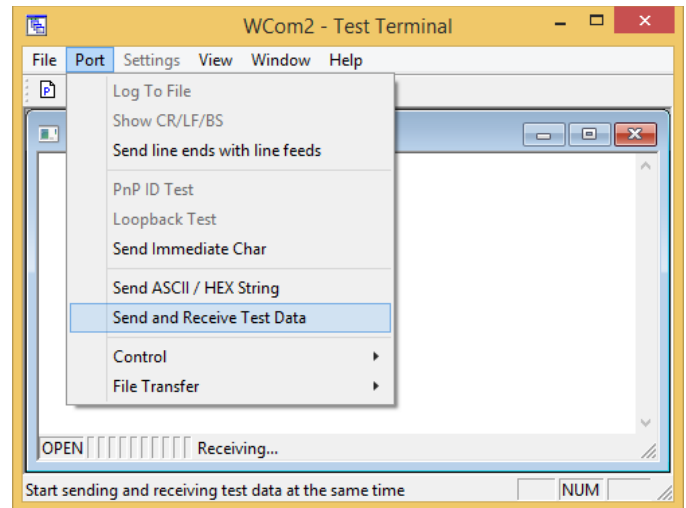
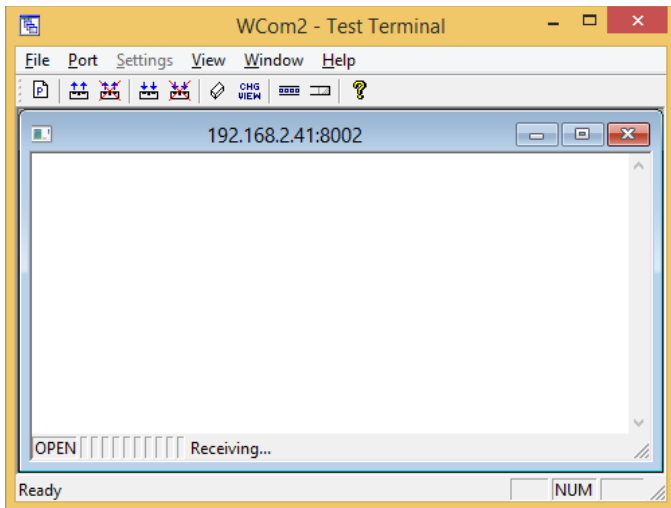


Change from the default of ‘Selected Ports’ to the “TCP/IP Sockets

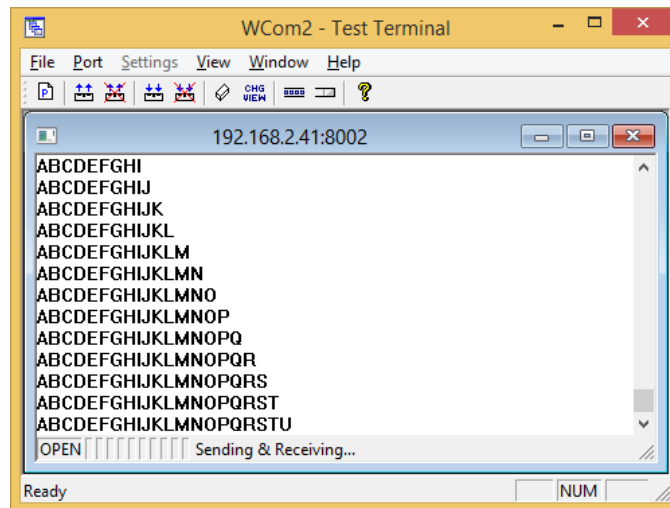
Enter the IP address of the DeviceMaster

In the “From Port” field enter the socket used by the DeviceMasters physical serial port. In this example we are using serial port 3 and socket 8002.

Click OK



The Loopback Plug should be attached to the DeviceMasters physical serial port. From the "Port" drop down menu select the option to "Send and Receive Test Data"



The alphabet should be scrolling past in a 'saw-tooth' pattern. Notice that Test Terminal will show the IP address and the socket number that is currently being connected to, which in this example is 192.168.2.41 and socket 8002.

That concludes this basic setup and testing of a Socket Mode (often called Winsock) connection.