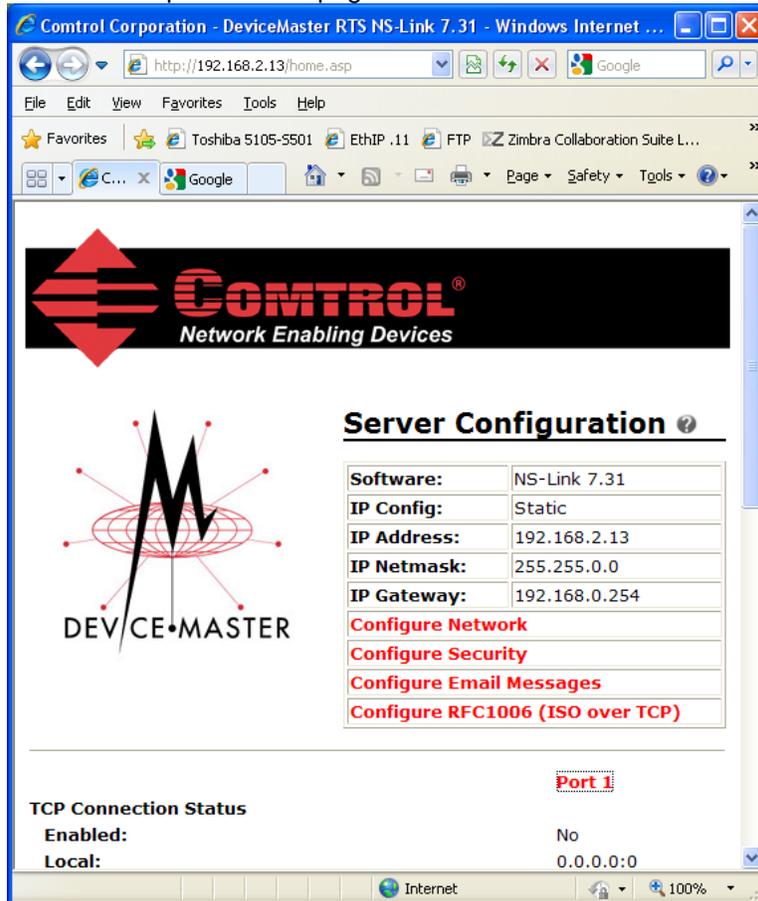# Socket Mode Serial Port Testing with Hyperterminal

This procedure uses Windows XP as only this Operating System Includes Hyperterminal.
Any other Winsock compatible application may also be used.

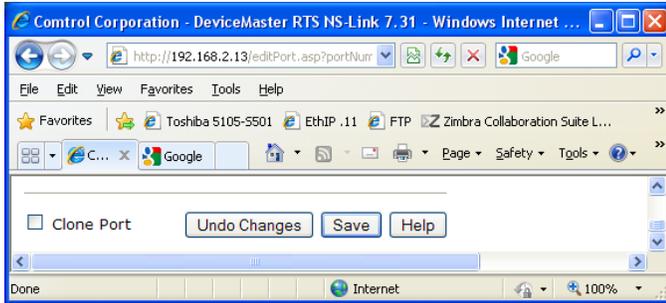Open the web page of the DeviceMaster.

Click on the port to be configured.
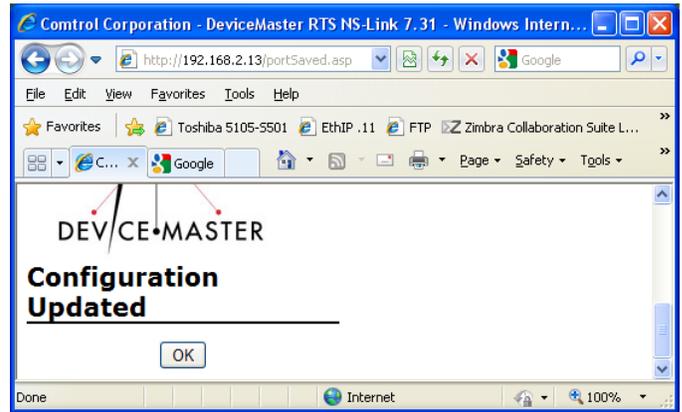In this case a DeviceMaster 1 port unit is used.

Go to the "TCP Connection Configuration" options
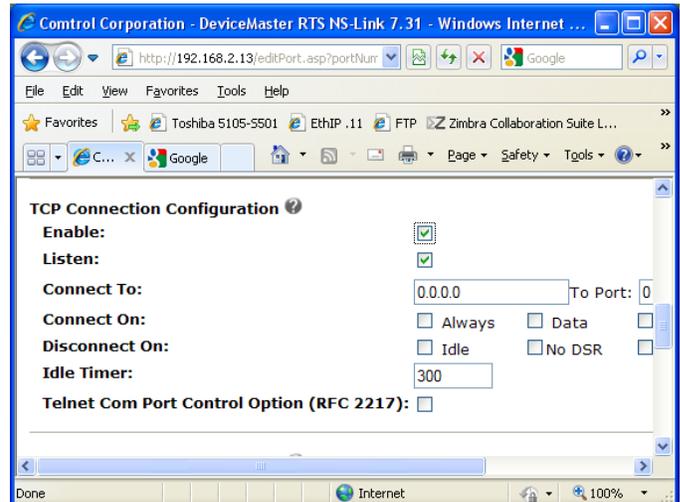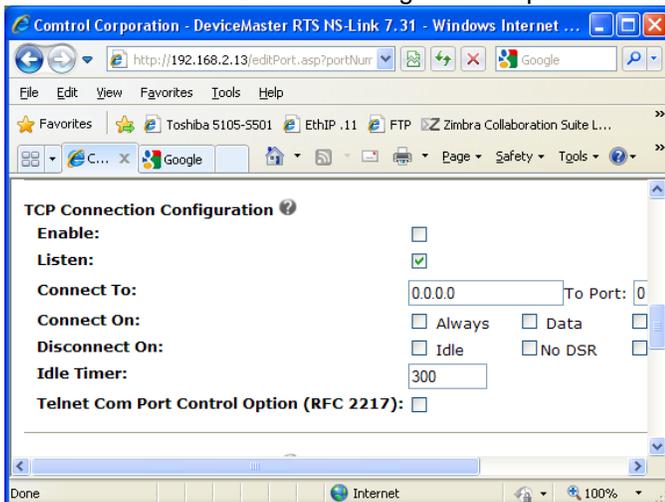
Select only the "Enable" option
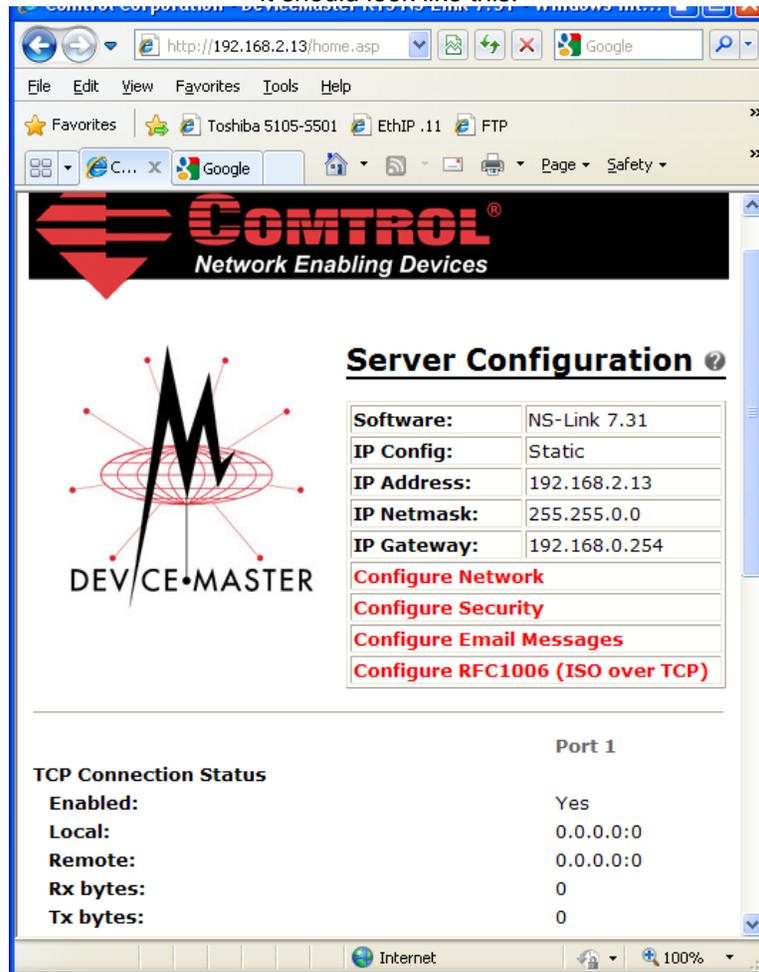leave all other setting on this page at default.

Scroll to the very bottom of the page and click the "Save" button

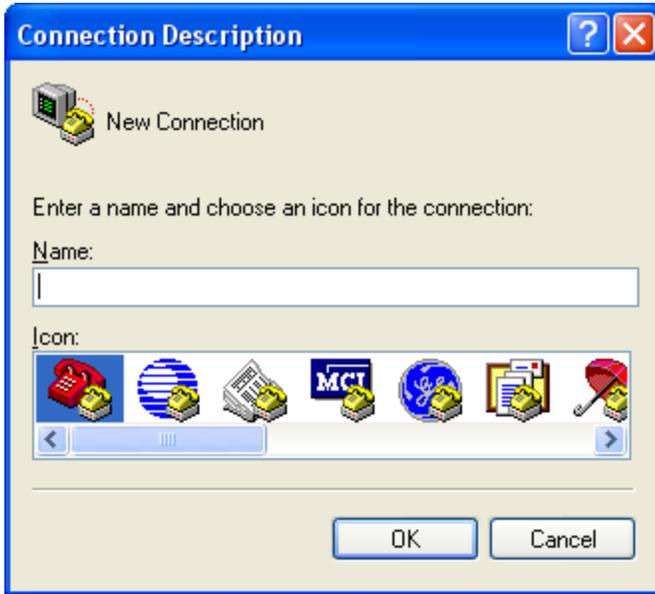The Configuration Updated page will be shown:
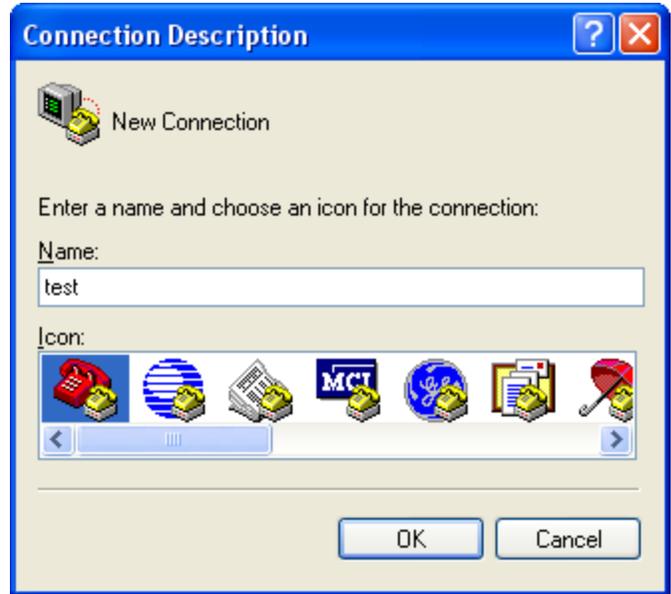Click OK

It should look like this:

Note the "Yes" on the on the "Enabled:" line.
Leave this web page open as we wil be returning to it shortly.
Attach the Comtrol supplied loopback plug to the serial port of the DeviceMaster.

Open Hyperterminal
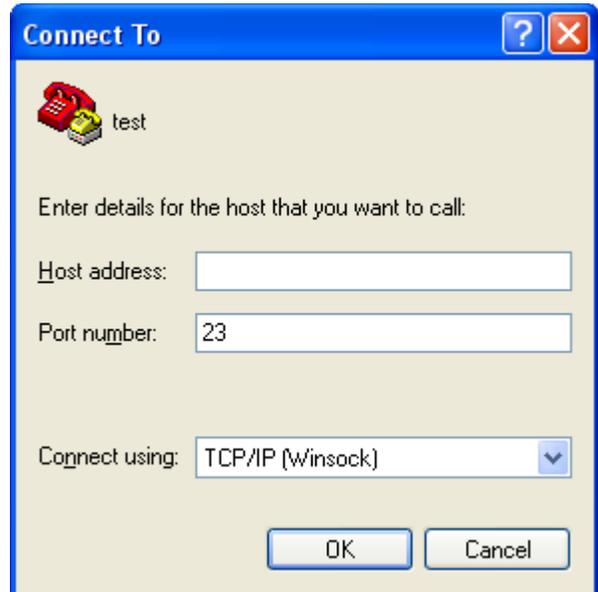From the Start button>Programs>Accessories>Communications>Hyperterminal

Enter a name and select an icon. We will not be saving this configuration unless you desire to do so.
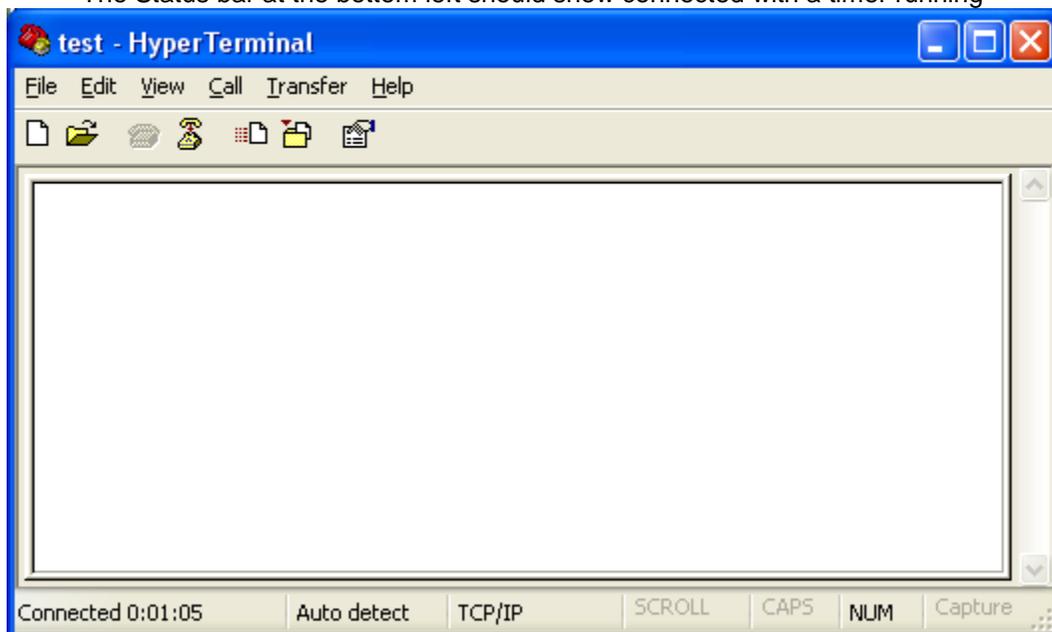

Click OK

In the Connect using option
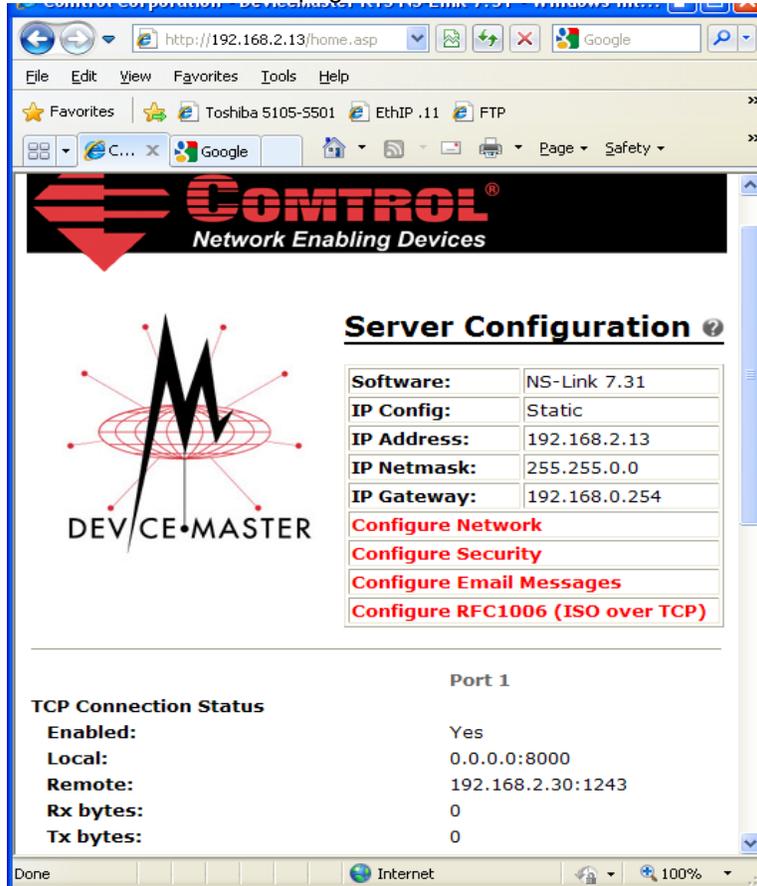

Select TCP/IP Winsock

Enter the IP address of the DeviceMaster into the Host Address
Enter 8000 into the Port Number
Click OK

The Status bar at the bottom left should show connected with a timer running

Back to the web page of the DeviceMaster
Refresh the web page and it should look like this:

The "Remote:" IP address will be the IP address of the Windows XP system running Hyperterminal.
The values to the right of the : are the socket numbers in use.
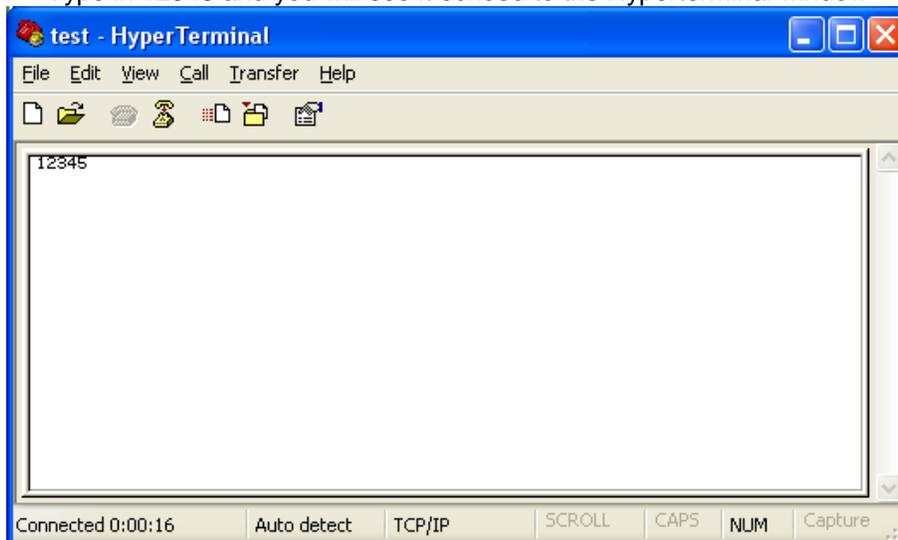8000 is the listening socket on the DeviceMaster
1243 is the Source socket on the PC.
Note the Rx bytes and Tx bytes are 0 as no data has been sent.

We now have an active socket connection.

Back to Hyperterminal

Type in 12345 and you will see it echoed to the Hyperterminal window

The loopback plug is receiving the data from the serial port and looping it right back into the serial port for return to
Hyperterminal to be displayed on the screen.

Back to the web page again and refresh the web page.

Now the Rx and Tx bytes show that 5 bytes have been transmitted and received.

This concludes testing of the DeviceMaster ports in Socket mode.
Remove the loopback plug from the serial port and attach your serial device.
You may need to set the serial parameters as necessary to match your attached equipment.
You may now close Hyperterminal and save or not save the session as you desire.