EtherPath® SS-1R Single Port Serial Server
Quick Start Guide – Telnet Server Mode

This document guides the new user through configuration of an EtherPath® single port serial server and demonstrates "Telnet Server mode", in which the serial port of a remote device is accessible via an ethernet connection.
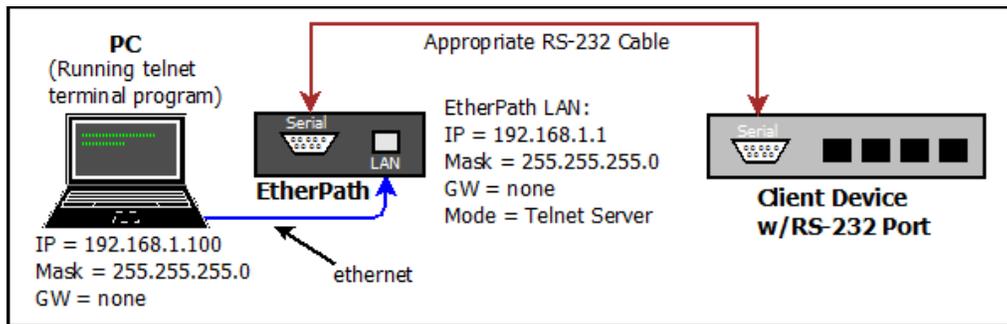
Figure 1 – Configuration for Telnet Server Mode, with Example IP Address on EtherPath

Requirements

1. One EtherPath unit and knowledge of basic TCP/IP networking
2. PC with a wired ethernet connection, any modern web browser, and telnet
3. Client device capable of RS-232 serial communication
4. LAN cable, either straight-through or crossover, to connect PC to EtherPath LAN port
5. Appropriate cable to connect the EtherPath serial port to client device. This cable would be identical to the one used to connect the device directly to a PC.

Step-by-Step Procedure

1: Open the box and note the contents: The EtherPath single port serial server, power adapter and CDROM containing manual and Application Notes. Power up the EtherPath.

2: Configure the PC for use on the default LAN subnet of the EtherPath. Use the IP address 192.168.1.100 with a Subnet Mask of 255.255.255.0.

3: Connect PC to EtherPath's LAN port, open a browser (Internet Explorer, Firefox, Chrome, Safari), and enter http://192.168.1.1 (NOTE that "http" is used, not https)

The **EtherPath Setup** screen should appear as in Figure 2:
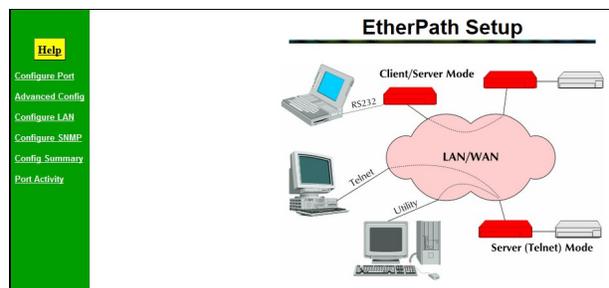
Figure 2 – EtherPath Setup Screen

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4: Click on *Configure LAN* from the menu and change the **Mode** to be **Telnet Server**, as shown in Figure 3: *All other LAN parameters may remain at the default values.*
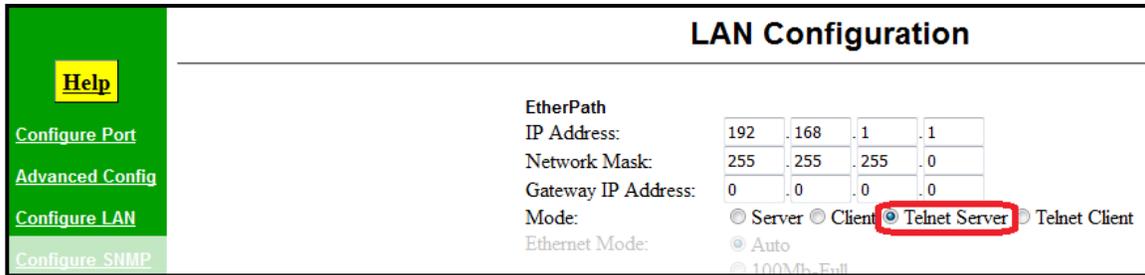
Figure 3 – Selecting Telnet Server on Configure LAN Screen

Click the **Save** button near the bottom of the screen to make the change active. A **Server Status Message** screen will appear while the unit reboots. Wait several seconds for the reboot to complete, then click the "**Back**" button to return to the prior screen.

5: If the EtherPath serial port settings (**Baud Rate** = 9600, **Data Bits** = 8, **Flow Control** = NONE, **Stop Bits** = 1, **Parity Bit** = NONE) do not match the client device, click on *Configure Port* from the menu and modify the serial port configuration of the EtherPath, shown in Figure 4, to match that of the client device.

If settings were changed, click the **Save** button near the bottom of the screen to make the changes active. A **Server Status Message** screen will appear: Clicking the "**Back**" button returns to the prior screen.

6: Connect the RS-232 cable between the serial port of the EtherPath and the serial port of the client device. Open a telnet session to port 3000 of 192.168.1.1. *Note that the EtherPath is configured by default to listen on port 3000, not the standard Telnet port 23.*
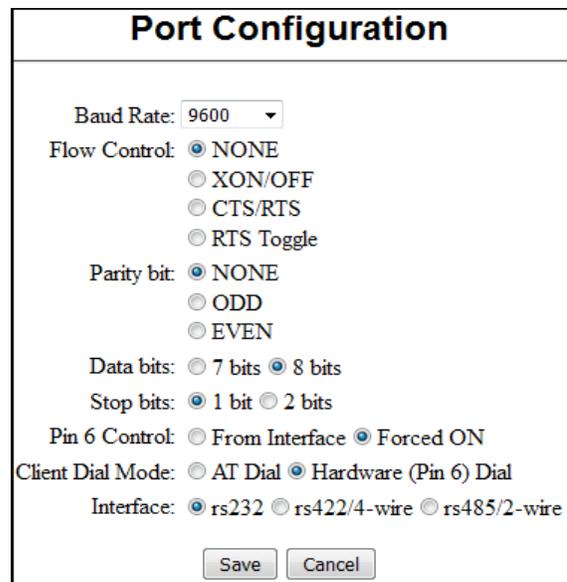
Figure 4 - Port Configuration Settings

Testing the Link
With the link established, the Telnet session should interface to the client device's serial port with the same functionality as if the PC were connected directly to the serial port of the client.