Technical Note #68

Using the EPM 7700's Xpress Card as an Ethernet Gateway with PMCS

Subject: This appnote covers how to configure the Xpress card and the DialOut/IP software for use
Express card as an Ethernet -> RS485 gateway with the GE32MODB server

Applies To: PMCS 6.0b, Xpress Card, 7700

Summary:

Configuration information for Tactical Software (www.tactical-sw.com) DialOut/IP software and 7
Xpress Card.

I. Xpress Card Configuration

The following information can be configured through the 7700's Modular Graphics Terminal (MG
information on how to use the MGT refer to the 7700 ION Installation and Operation Manual.

1. Set 7A50 to Ether Gate protocol for COM 2 use. Set 7A51 to Ether Gate protocol for COM
2. Set 7A4D to desired baud rate to configure COM 2 of the Xpress Card. Set 7A4E to desired
   to configure COM 3 of the Xpress Card.

II. Dialout/IP configuration

NOTE: DialOut/IP is a comm port redirector. It intercepts messages from the GE32MODB server
the comm ports and redirects them to a TCP/IP address and Port Number. **The DialOut/IP version
2.0 or greater**. The comm ports that are being redirected must not be actual computer COMM por
server computer is using comm 1 and 2 for the serial ports on the back of the computer, Dial/Out s
redirect these.

1. After installing the Dialout/IP Software you will be prompted to select ports to be redirected. Sel
the ports that will be used solely by PMCS.
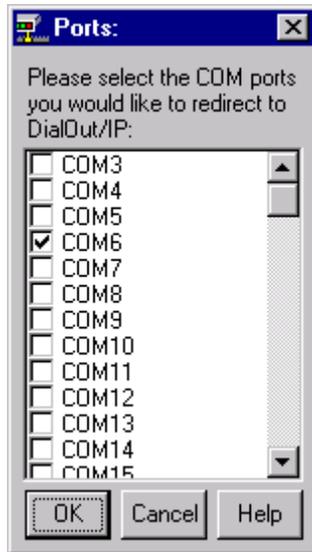
Figure 1: Choosing ports for redirection

2. For each of the PMCS ports enter the IP address of the Xpress card (1), the TCP Port Number (2 click on the Raw TCP Connection (3). **The TCP port number should correspond 7802 for COM 7803 for COMM 3 on the Xpress card. COMM 1 cannot be accessed by PMCS.** Ensure that no compatibility options are selected. Next, on the configure menu, unclick the Display Server Connec Errors.
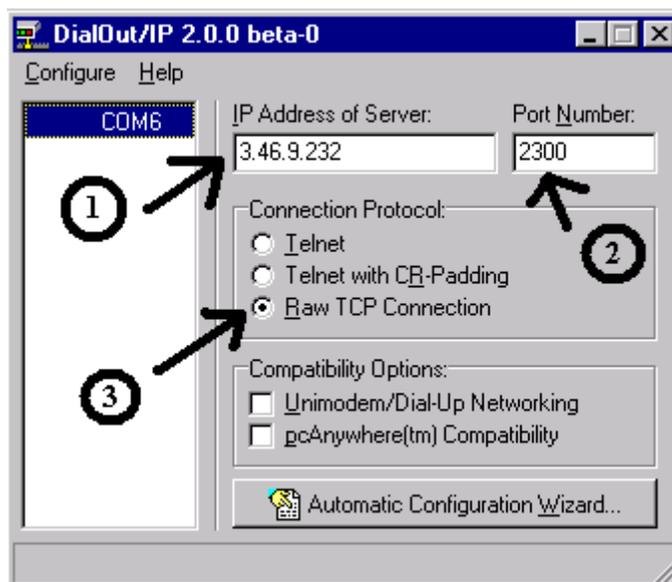
For more information on DialOut/IP including troubleshooting, refer to the html documentation in with the DialOut/IP software.

III. Configuring the PMCS Server Software

The PMCS server software should be set up normally, **the GE32MODB server must be used, GE** **will not work.** Define the redirected ports in the server as a normal comm port setup. The baud rat and parity can all be set to standard configuration values.

Keywords

       Xpress Card, EPM 7700, DialOut/IP

Related Notes

       Xyplex Appnote

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