Technical Note #69

INTEGRATING THE XYPLEX 1620 MAX SERVER INTO PMCS

Subject: This appnote covers how to configure the Nbase Xyplex 1620 Max Server and the DialOu software for use with the Xyplex as an Ethernet -> RS232 gateway with the GE32MODB server

Applies To: PMCS 6.0b, Xyplex Terminal Server

Summary:

Configuration information for Tactical Software (www.tactical-sw.com) DialOut/IP software and N Xyplex 1620 Max Server.

I. Setting up the Terminal Server

NOTE: The terminal server must be running version 6.0.2S7 or higher firmware. For basic configuration and access information refer to the documentation included with the Xyplex se

Each port on the terminal server to which a marquee is connected must be configured for TCP/IP communications. Use the following steps to configure your terminal server:

1. Log into your terminal server (if telnet is being used, access tcp port 2000) and set privileged mo issuing the following command. Enter the privileged password when prompted (typically "system")

> **> set priv**

> **Password>**

2. Enter the following command so that the permanent database and the operational database will b when a define command is issued:

> **>> set server change enabled**

3. For each port to which a marquee is attached, enter the following set of commands. Replace <po command with the actual port number to which the marquee is attached. Note that it is possible to range of port numbers instead of a single port (for example, 1-10 signifies ports 1 through 10):

>> **define port <port> access remote**

>> **define port <port> telnet remote <ip_port>**

where <ip_port> **is the telnet port number, the default (2100, 2200 , etc. are per
acceptable)**

>> **define port <port> telnet transmit immediate**

>> **define port <port> parity none**

>> **define port <port> character size 8**

>> **define port <port> stop bits 1**

>> **define port <port> autobaud disabled**

>> **define port <port> speed <speed>**

where <speed> **is the baud rate of the devices on the Modbus Network**

>> **define port <port> line editor disabled**

>> **define port <port> telnet csi escape enabled**

>> **define port <port> telnet binary session mode passall**

>> **define port <port> loss notification disabled**

>> **define port <port> autoprompt disabled**

>> **define port <port> verification disabled**

>> **define port <port> outboundsecurity disabled**

>> **define port <port> broadcast disabled**

>> **define port <port> default session mode transparent**

>> **define port <port> internet tcp keepalive 2**

>> **define port <port> typeahead size 2048**

>> **define port <port> internet tcp window size 1024**

>> **define port <port> flow control disabled**

    II.   Configuring DialOut/IP 2.0 Software

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.
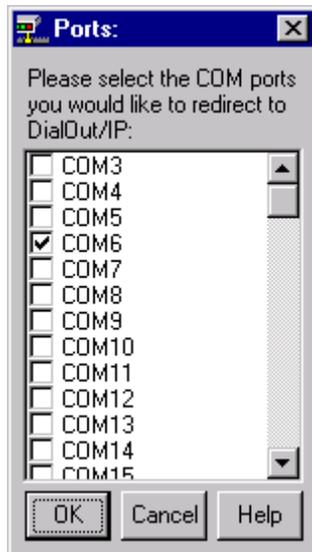
Figure 1 Choosing ports for redirection

2. For each of the PMCS ports enter the IP address of the Xyplex server (1), the TCP Port Number click on the Raw TCP Connection (3). The TCP port number should correspond to the remote Teln numbers which were entered in section one of this document *"Setting up the Terminal Server."* Ens none of the compatibility options are selected.
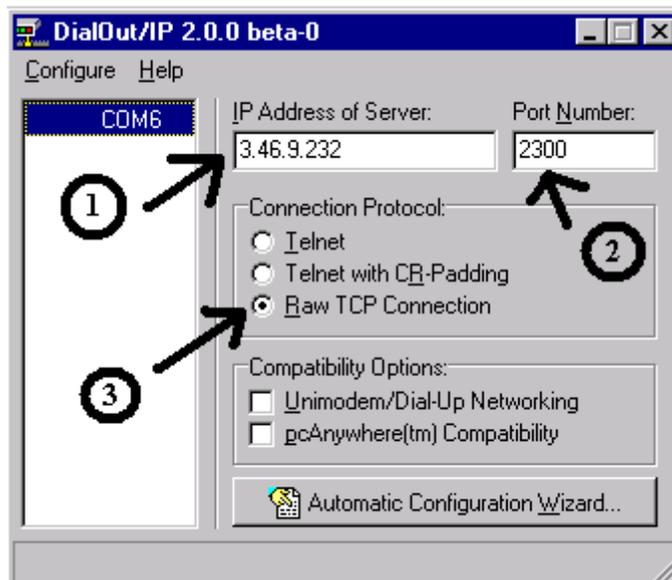
Figure 2 Port Configuration

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

Last Revised 5/27/99

GE home page   GE Industrial Systems home page

Search GE | GE home page | GE news | GE business finder | GE products & services
About Us | What's New | Products & Services | Publications
Process Solutions | Year 2000 | Contact Us

Legal Disclaimer