

CONNECTING A OMRON CPM-2A PLC TO YOUR NETWORK

Abstract

This document explains how to connect a Omron CPM-2A PLC Series to an Ethernet network through our family of Serial-to-Ethernet converters, SSE232. Read this Technical Note if you need to achieve remote connectivity between a PLC and a networked computer, using CX Programmer V2 from Omron®.

Used Hardware

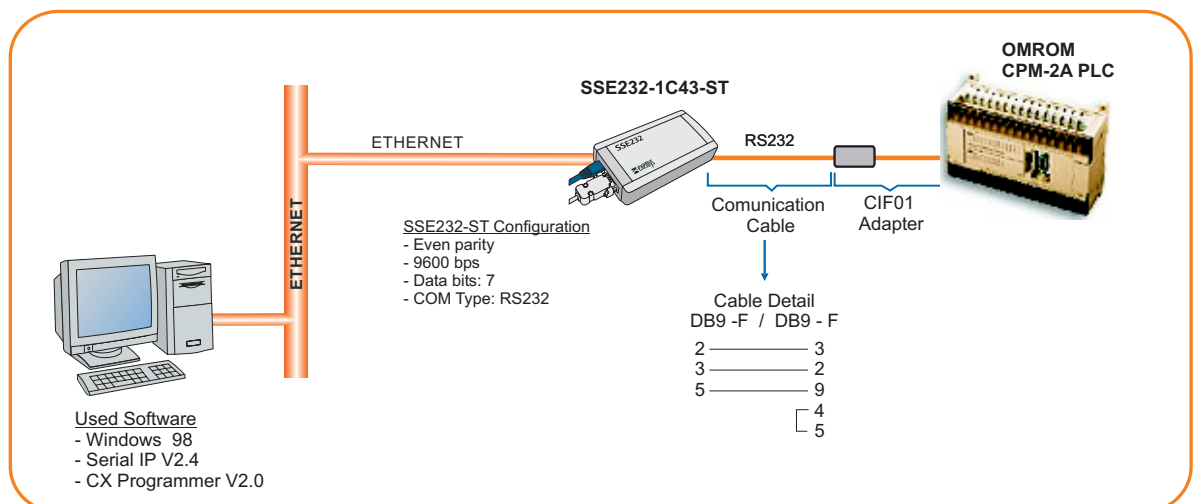
- Omron® CPM-2A PLC .
- Adapting module CIF01.
- Communication cable, as shown below.
- Serial-to-Ethernet converter, Exemys SSE232-1C43-ST

Used Software

- Operating system: Windows® 98
- Exemys Device Locator: software used to find any Exemys device attached to your LAN
- Programming software: CX Programmer V2.0
- Serial-to-Ethernet software redirector, Serial IP V2.4 or higher.

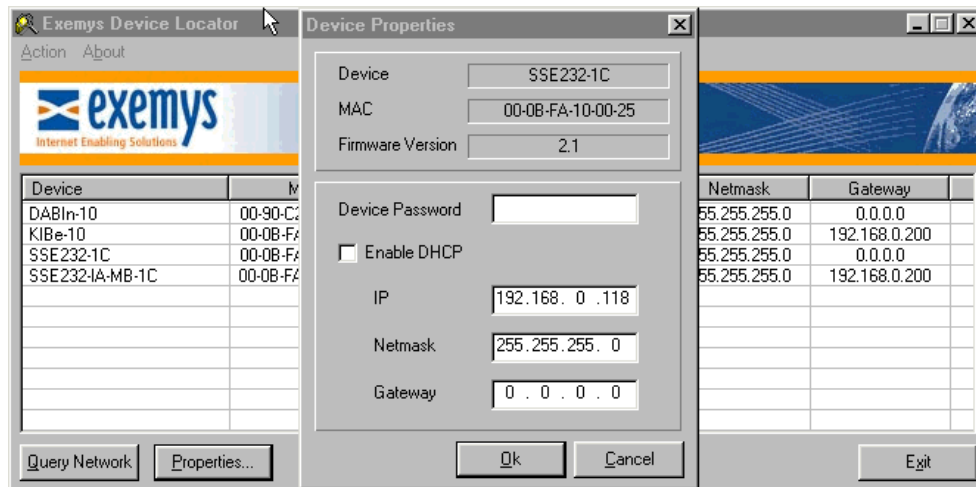
Procedure

Connect your computer, your Exemys converter, the adapter and your PLC as follows:



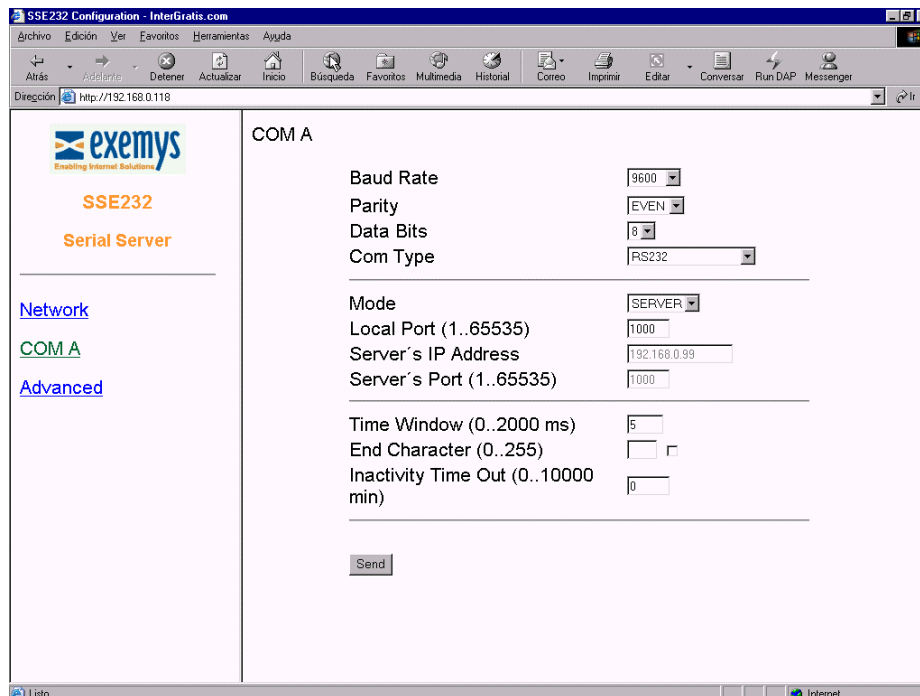
Configure your device with Exemys Device Locator

- Assign a valid IP address, Netmask and Gateway to your SSE232-ST.



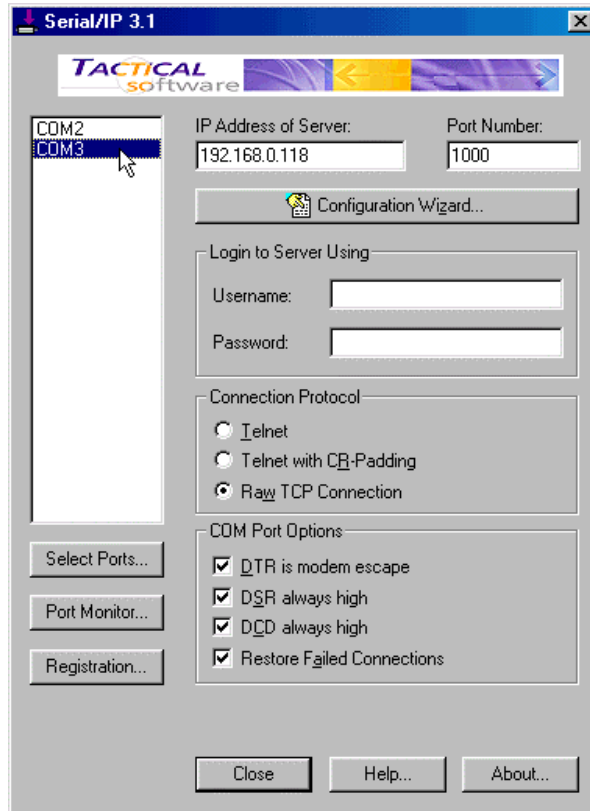
Configure the serial port in your SSE232-ST

- Baud rate: 9600 bps
- Parity: even
- Data Bits: 8
- Com Typo: RS232



Configure Serial IP

- Install and run Serial IP. Add a virtual serial port. Configure the virtual port to route data into your local IP and TCP port 1000. Select *Raw TCP Connection* and enable all options in the *Com Port Options* menu.



Configure CX Programmer V2.0

- Select the virtual serial port in the application (the one you configured using Serial IP).
- Configure the baudrate, 9.600 bps
- Configure parity even, 8 data bits

Following the steps described above, you will be able to use your PLC just as if it was connected directly to your PC.

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For sales please contact:
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