CONNECTING A OMRON C200H PLC TO YOUR NETWORK

Abstract

This document explains how to connect a Omron C200H 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 V1.5 from Omron ®.

Used Hardware

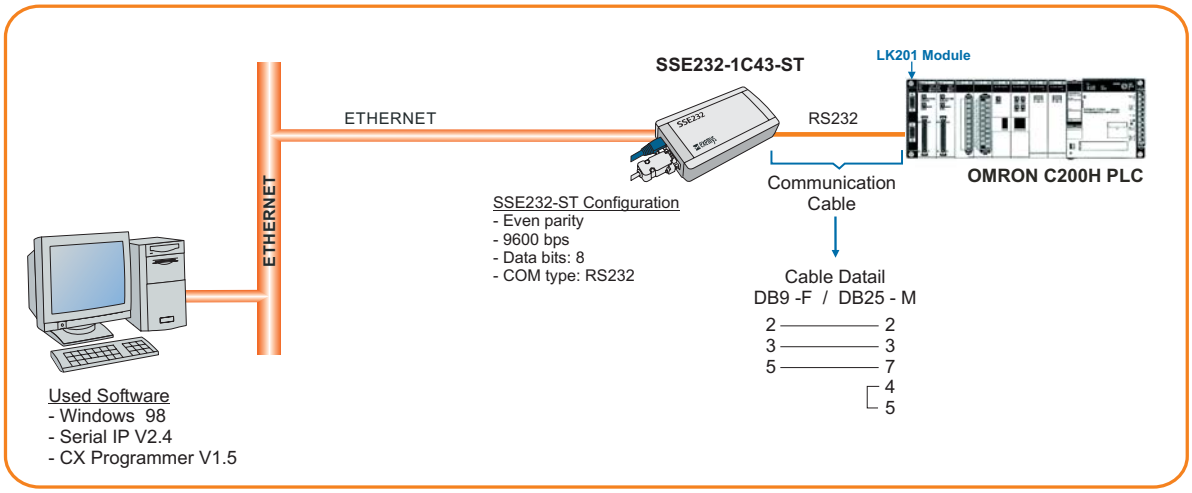
- Siemens Omron ® C200H PLC with communication module LK201
- Programming cable, as shown later.
- Serial-to-Ethernet converter, Exemys SSE232-1C43-ST

Used Software

- Operating System: Windows ® 98
- Exemys Device Locator: software used to find any Exemys device attached to your LAN
- Programming Software: CX Programmer V1.5
- Serial-to-Ethernet software redirector, Serial IP V2.4 or higher.

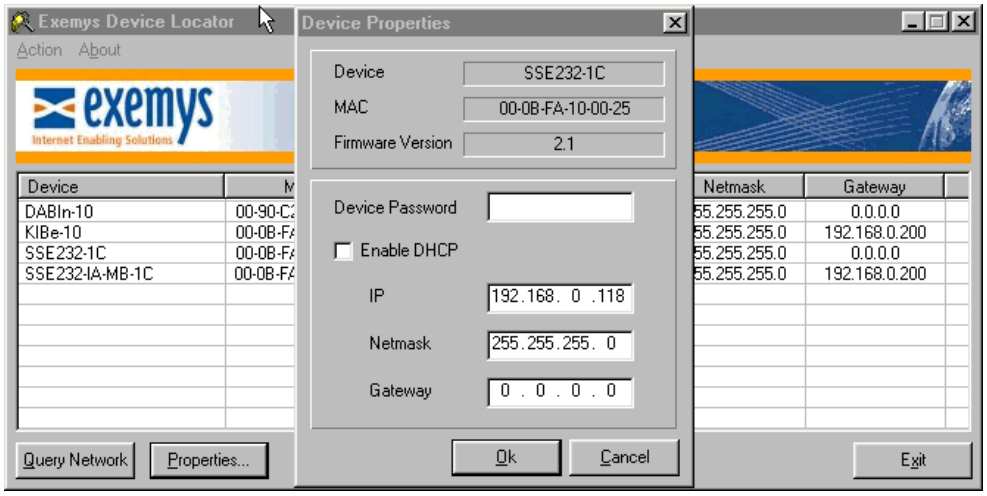
Procedure

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



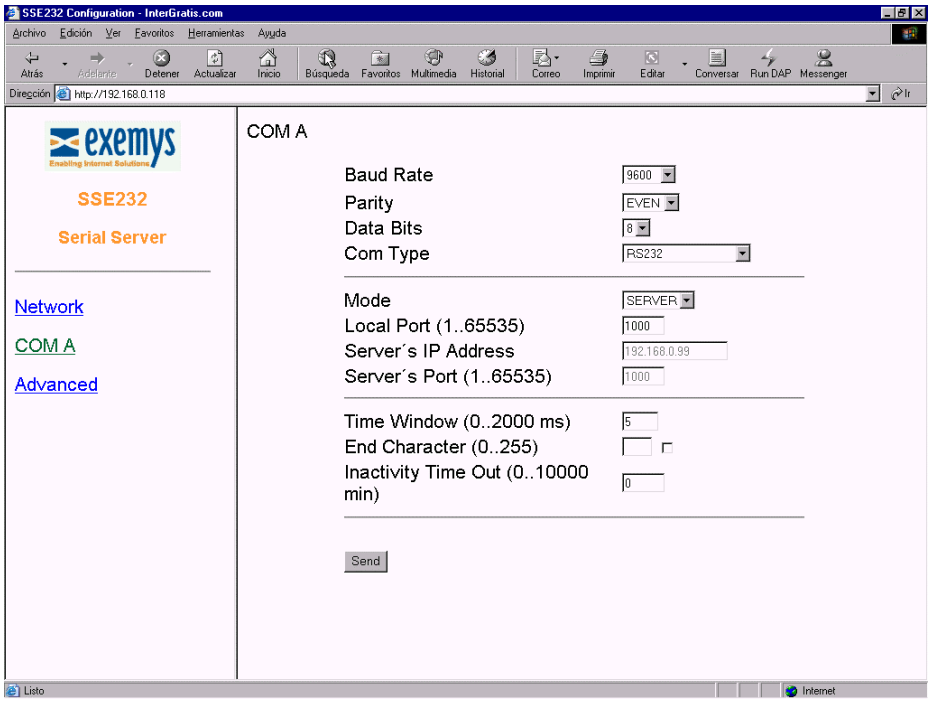
Configure your device with Exemys Device Locator

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



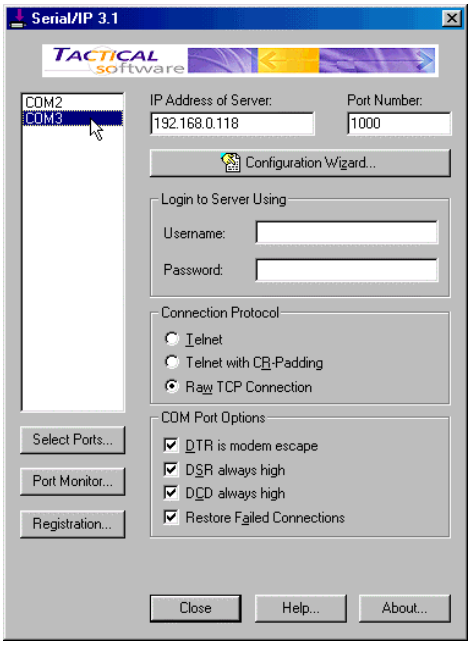
Configure the serial port in your SSE232-ST

- 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 the module LK201

- 9600 bps (SW3 to position 5)
- Parity even, 8 data bits (SW 4 to position A)

Configure CX Programmer V1.5

- 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.

For technical support please contact: **support@exemys.com**	For sales please contact: **sales@exemys.com**
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