Technical Note # 06 > Connecting to the net an Allen Bradley Micrologix 1000

Summary

This document explains how to connect an Allen Bradley PLC Micrologix 1000 serie to Ethernet using a serial converter Exemys SSE232.
In this way you can communicate from a PLC through a PC able to manage Allen Bradley programming software, RS Logix 500

Hardware needed

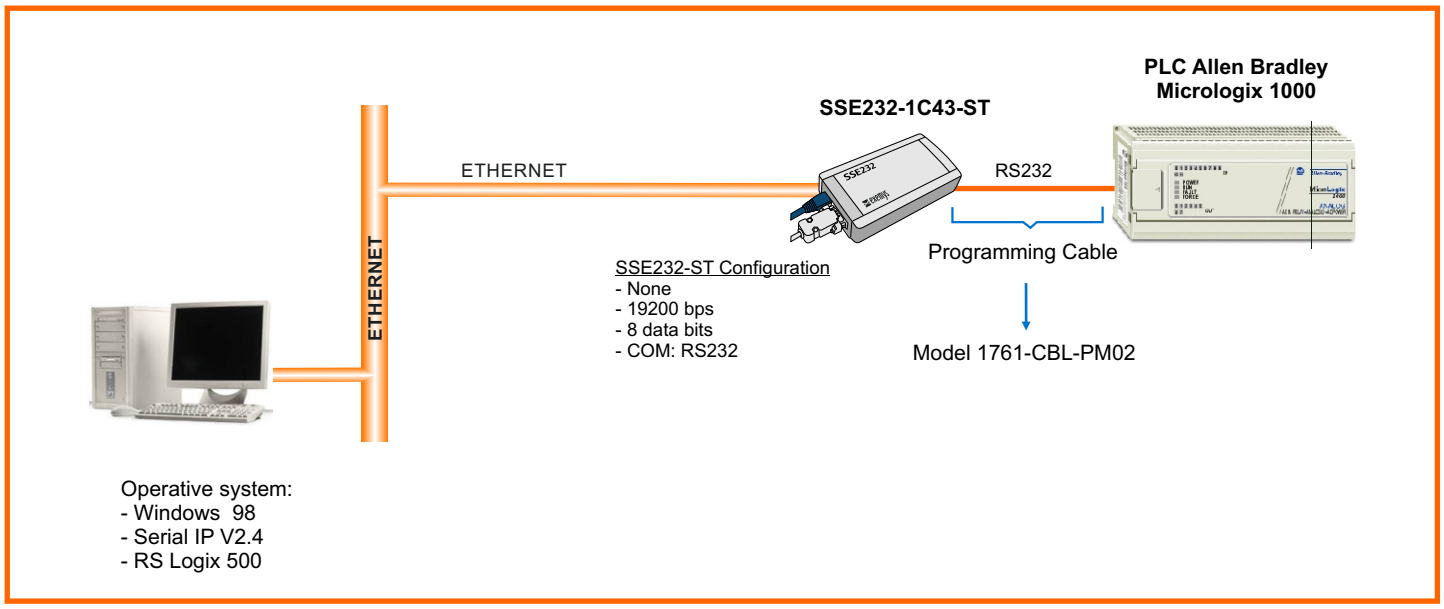
- PLC Allen Bradley ® Micrologix 1000.
- Comunication cord Allen Bradley 1761-CBL-PM02
- Exemys Converter, Serial to Ethernet, model SSE232-1C43-ST.

Software needed

- Operative System: Windows 98 or superior.
- Exemys Device Locator
- programming software: RS Logix 500
- Serial port redirector driver to Ethernet: Serial IP V2.4 or superior

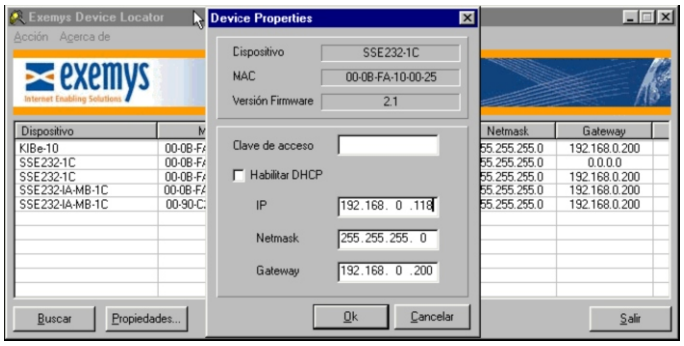
Procedure

Connect the computer, the converter SSE232-ST and PLC and cord in the following way:



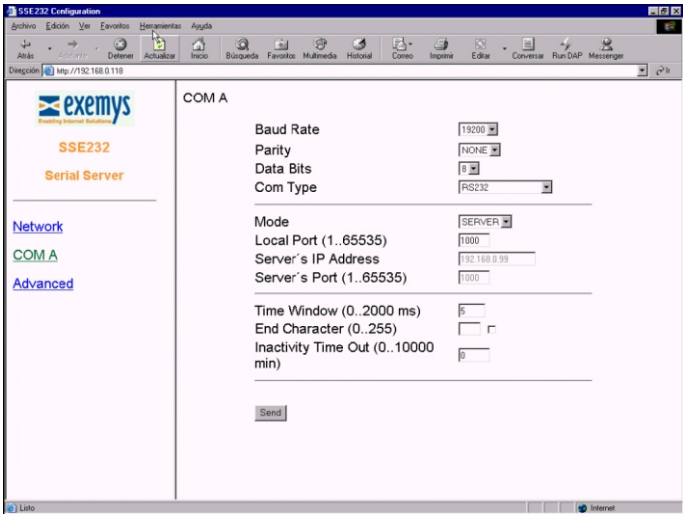
1 Use Exemys Device Locator software

Asign to the SSe232-IA a valid IP address with the "Exemys device locator".



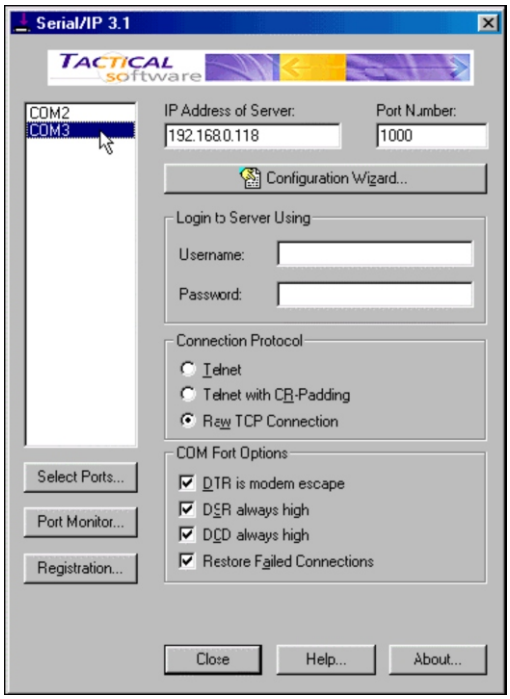
2 Configure serial port SSE232-ST

- Baud rate: 19200 bps
- Sin paridad
- Bits de Datos: 8
- Tipo de Com: Rs232



3 Configure the Serial IP software

install the serial IP software in the computer, add a virtual serial port. Asign an IP address and configure the 1000 port. Select Raw TCP Connection and enable all of the Com Port options.



4 Configure the RS Logix 500

- Select the virtual serial port created.
- 19200 bps
- none
- 8 data bits and 1 stop bit

Now you will be able to access to the PLC as if you were connected to the computer.