CONNECTING A SIEMENS SIMATIC S7-300 PLC TO THE NETWORK

Abstract

This document explains how to connect a Siemens Simatic S7-300 PLC 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 the programming software *Step7 MicroWin32*.

Used Hardware

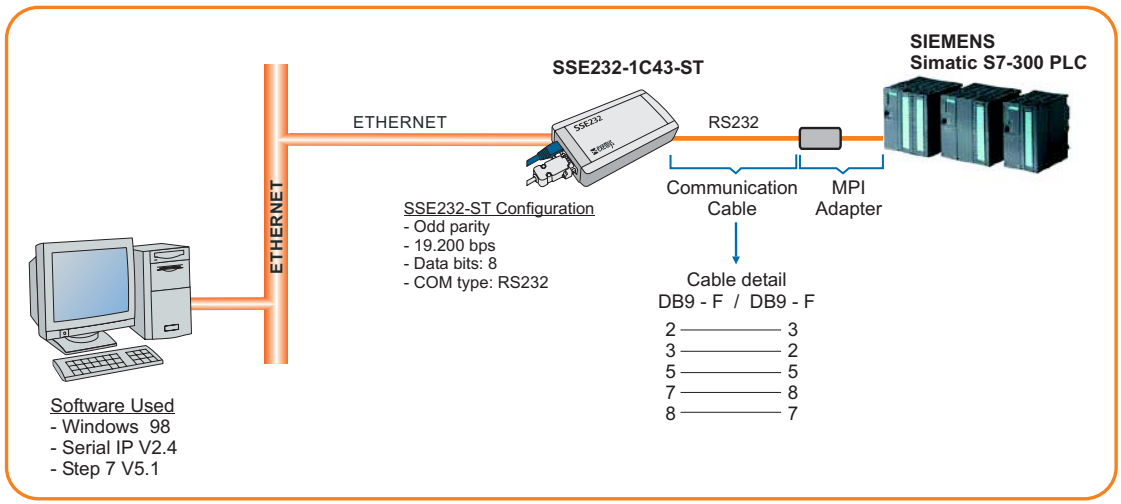
- Serial-to-Ethernet converter, Exemys SSE232-1C43-ST
- Siemens SIMATIC ® S7-300 PLC.
- Programming cable, as shown below.
- Siemens MPI Adapter

Used Software

- Operating System: Windows ® 98 / 2000
- Exemys Device Locator: software used to find any Exemys device attached to your LAN
- Programming software: Step 7 MicroWin32 V3.2
- Serial-to-Ethernet software redirector: Serial IP V2.4 or higher.

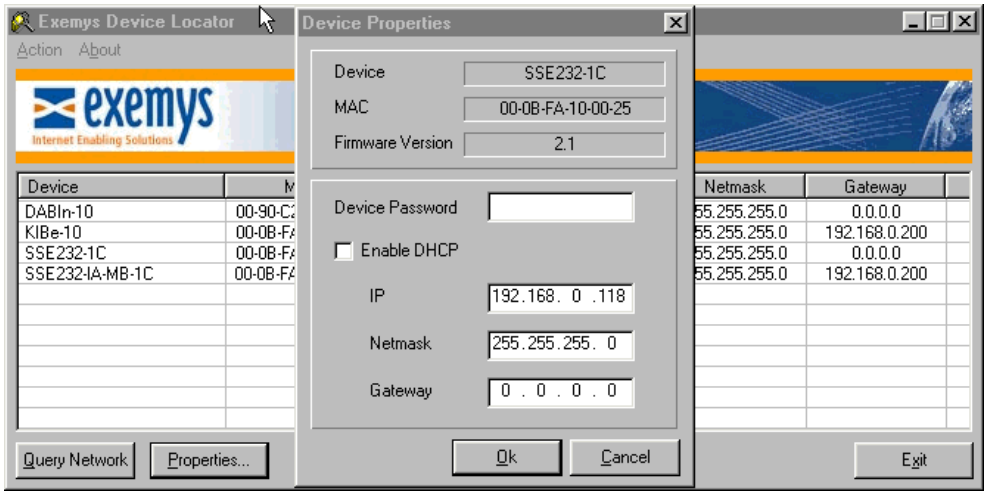
Procedure

Connect the computer, the SSE232-ST converter, the MPI adapter and the PLC as follows



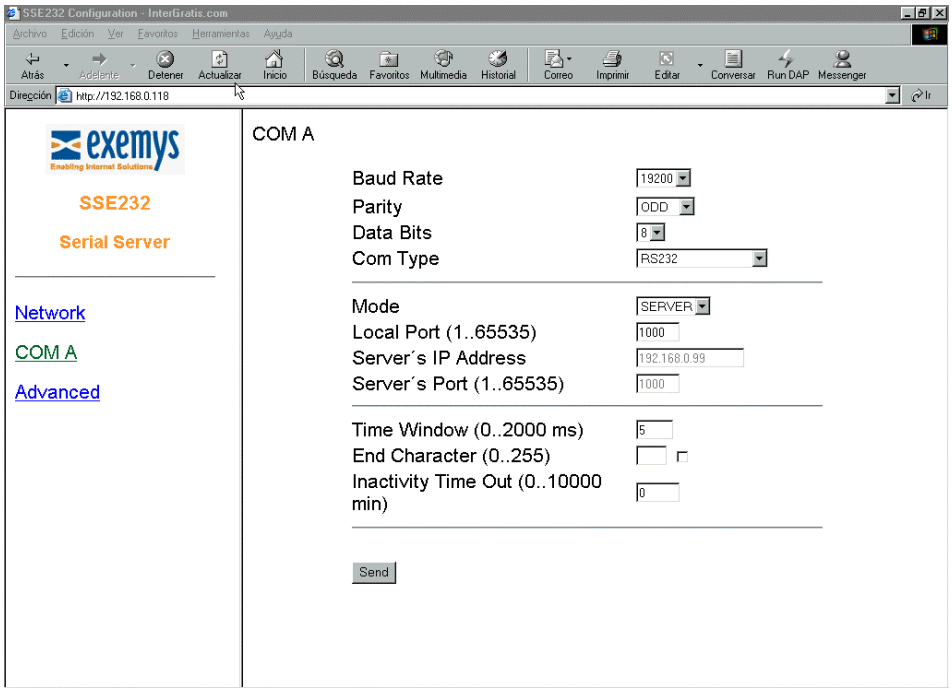
Configure your device with Exemys Device Locator

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



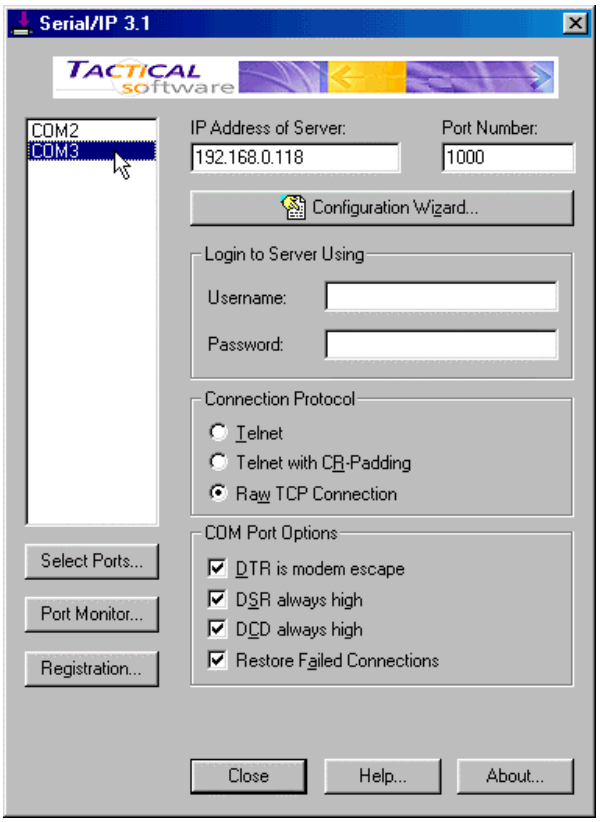
Configure the SSE232-ST serial port

- Baud rate: 19200 bps
- Parity: odd
- Data Bits: 8
- Com Type: 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 PLC programming software

- Select the virtual serial port you created with Serial IP.
- Baudarate: 19.200 bps

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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