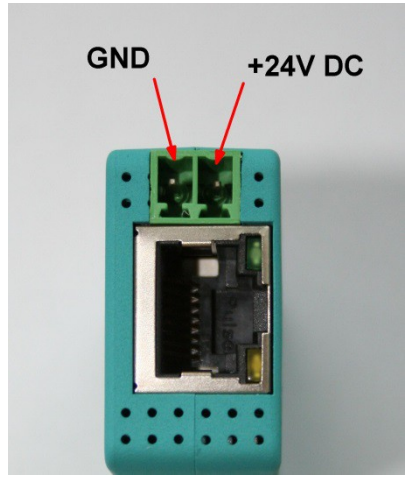
# Handling-Shortinstruction for MPI/DP-bus-communication-analyzer

**MPI/DP-bus-communication-analyzer 9352-BUS-SCAN for Simatic S7-300 up to S7-400**
The module will be connected direct to the mpi/profibus-port of the S7-plc. The connection of the RJ-45-port will be the same connecting a PC to the network. This module don't use a integrated keyboard so the configuration will be done with the integrated webserver. For this action, you connect the PC and this module via network and write down in the browser the ip-address of MPI/DP-bus-communication-analyzer http://192.168.1.56 (default address). Now, you are possible to change the configuration and the ip-address, also.
Please install after this the tool „TIC" (see link to homepage) on your PC. With the help of this tool you can import any firmware updates or parameterize the device.

**Connection of the external +24V**

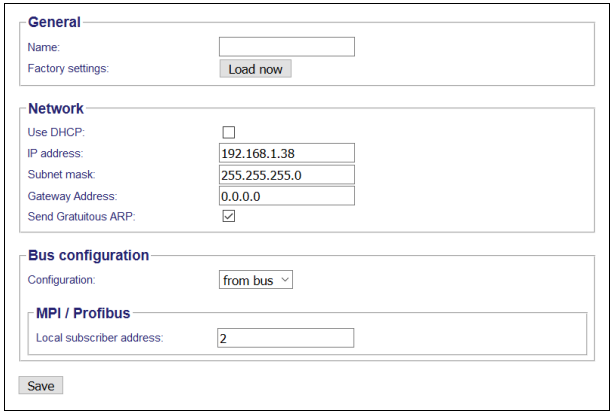
The external power supply of the The external supply of +24V DC is done via the integrated Phoenix jack . The external power supply voltage may exceed the value of +24 V DC ± 20% not covered or exceed. The maximum current is 85mA.

The correct pinning of the connector is:



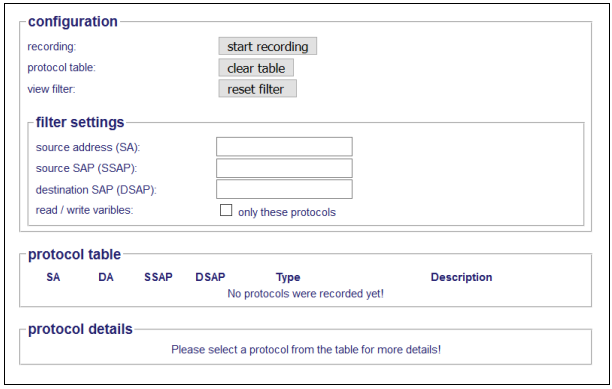
**Before using the external supply, check the assignment of the Phoenix connector! The module itself is protected against polarity reversal, but this cannot be guaranteed if it is attached to another module.**

Configuration-menu:




The MPI / DP bus communication analyzer only needs to enter the bus address of the participant whose communication is to be monitored. This is done in the "Observation target address" menu. Otherwise, the bus to be monitored and the network settings are specified here. You can also assign a device name. This is then also visible in the TIC if you are using several devices in the same network.

As soon as this configuration is saved, this communication can be observed in the “Record” menu.



The recording is started with "start recording". Similarly, the stop button "stop recording". "Clear table" deletes the log table for a recording. The same can be achieved by leaving the menu and reopening it.
"Reset filter" resets the filter settings to the factory settings.
Possible filter settings:

- source address (SA): Filtering according to the sender address of the protocols
- source SAP (SSAP): Filtering according to SSAP of a communication
- destination SAP (DSAP): Filtering according to DSAP of a communication
- variables read/write: Only shows logs that read / write data

All recorded communication protocols are shown in the protocol table. By clicking on a protocol you get a list of this special protocol in the protocol details.

You can find more about the working method, current firmware versions and the device manual on the product page of the device.

https://www.tpa-partner.de

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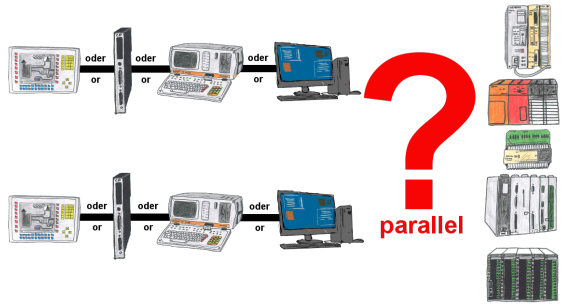
Please make sure to update your drivers before using our products.

## Remote-maintenance Siemens-S7-PLC with MPI/Profibus

Remote-maintenance of a Siemens-S7-controller with S7-LAN on MPI/Profibus via secure VPN-tunnel of the TeleRouter

## Occupied programming interface => does not have to be




Your Programming-interface of the PLC is already occupied with a panel or PC or communication-processor?

You should accomplish program modifications without removing the other communication-partner? You connect the PLC-specific Multiplexer one-time to the PLC and then connect the communication-partner and also your PC. Now you can work parallel with the PLC without the need of affecting the operation/communication of the panel/CP.

You can even work with 2 programming devices simultaneously, 2x open the same block, only changes which are stored at last will be finally stored in the PLC. Also ideal for trainings purposes if PLC's with IO´s are scare goods.

Multiplexer-devices of the PG-MUX-II-family are the ultimate service-device, regardless of what you plug into the two PG-sockets, both participants communicate parallel with the controller.