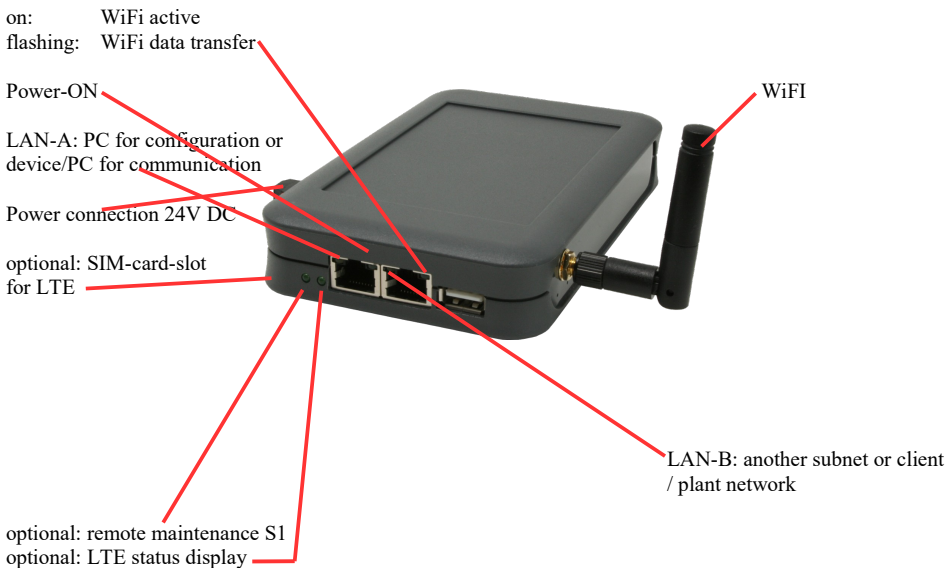
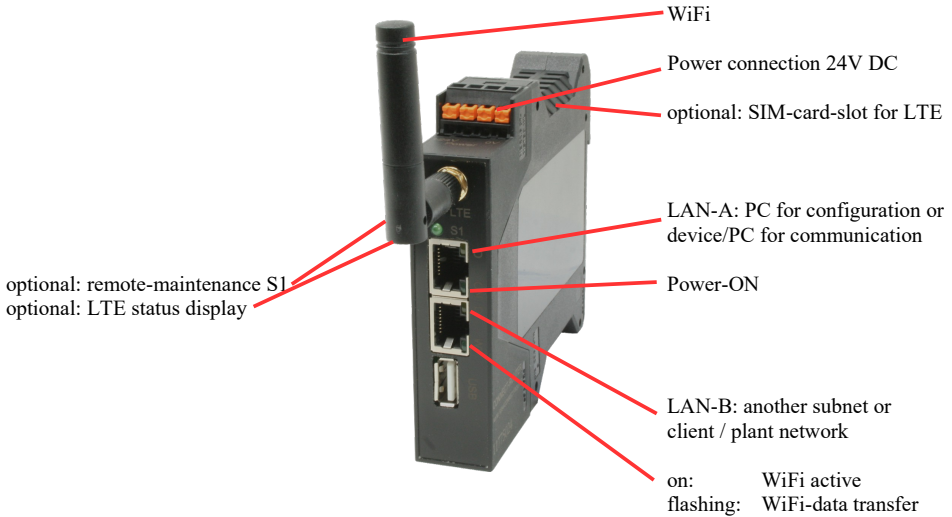


Handling-Shortinstruction V1.0 for

CONNECT protocol converter

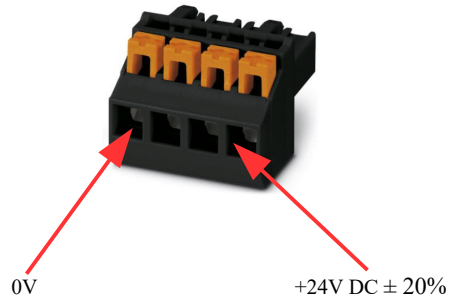
Connectors:



Power connection :

Voltage: 24 V DC \pm 20%
power consumption : 1,2W

Assignment of voltage plug :



Initial start-up:

- CONNECT protocol converter creates a WLAN network with an SSID „CONNECT WiFi“ with active DHCP master (laptop is automatically assigned an IP address)
- Connect laptop to this WiFi network and open with browser webserver with IP: <http://192.168.2.1>

or

- Connect the PC to the LAN port using a LAN cable
- PC must be in the 192.168.2.xxx subnet

Starting page:

commissioning
Before you can start to use the device you will have to set up some basic settings. Afterwards your device will be immediately ready for the communication.
On the page "configuration" you can change these as well as some further settings at any time.

basic configuration
In the first step you have the possibility to specify a name for your device.
device name:

next

Basic configuration:

Assign a name to the device for identification

Connection to company network:

internet configuration

Next you have to configure how your device should establish a connection to the internet.

router interface: LAN-A ▾

IP settings

IP configuration: ☐ DHCP
☒ manually

IP address:

subnet mask:

gateway address:

Determine the interface to which the company network is connected

IP settings:

- IP-configuration: DHCP (Parameters come from a DHCP master on the network)
Manuell (IP address + subnet mask fields must contain valid values)
- IP address: IP address of the device
- subnet mask: Subnet mask of the device
- gateway address: Gateway address of the device

Connection to plant network:

peripheral configuration

In the last step you have to configure how your device should be connected with the plant network, where the H1 participants are connected to.

interface: LAN-B ▾

IP settings

IP configuration: ☐ DHCP
☒ manually

DHCP server: ☒ enable

IP address:

subnet mask:

Determine the interface to which the plant network is connected


IP settings:

- IP-configuration: DHCP (Parameters come from a DHCP master on the network)
Manuell (IP address + subnet mask fields must contain valid values)
- DHCP server: Device is on this interface itself a DHCP server, parameterization of the server in the menu configuration when first configuration is finished.
- IP address: IP address of the device (optional for H1-nets)
- subnet mask: Subnet mask of the device (optional for H1-nets)

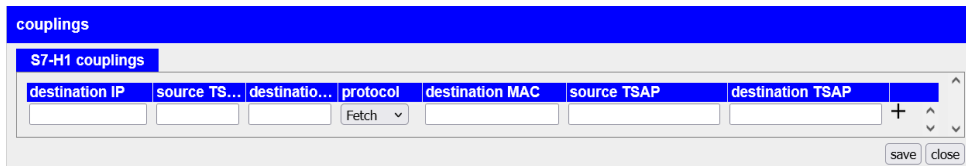
After the configured data has been adopted, the device automatically restarts and uses the entered data.

Defining the S7-H1 assignment:

After the device has booted up again after the initial configuration, the S7-H1 implementation must be parameterized.

To do this, click in the webserver on the button  (couplings) and define the possible connections you need.

Each connection, whether FETCH or WRITE, must be created separately. Confirm each entry with the "+"- symbol and finally, click "save" to apply all entries to the configuration:



There are two basic options for the S7-H1 implementation:

- a separate free IP-address for each connection in the network (requires many free IP-addresses for many connections)

| | |
|-------------------|--|
| destination IP: | IP address of this connection (must not already be used in the network) |
| source TSAP: | source TSAP of this connection, may also be empty/not required |
| destination TSAP: | destination TSAP of this connection, may also be empty/not required |
| protocol: | Fetch or Write (read or write connection) |
| destination MAC: | MAC address of the participant to whom this connection is to be established format: AA:BB:CC:DD:EE:FF |
| source TSAP: | source TSAP of this connection as defined in the CP of the S5-PLC |
| destination TSAP: | destination TSAP of this connection as defined in the CP of the S5-PLC |

TSAP generally enter as a HEX number, e.g. 0102 or 4831 without additions !!!

- a common IP-address for each connection and differentiation by source/destination TSAP (IP-address can be that of the device or a separate free IP-address in the network)

| | |
|-------------------|--|
| destination IP: | IP address of this connection (may also be empty => device IP-address is used) |
| source TSAP: | source TSAP of this connection, may also be empty/not required |
| destination TSAP: | target TSAP of this connection, required to distinguish between connections |
| protocol: | Fetch or Write (read or write connection) |
| destination MAC: | MAC address of the participant to whom this connection is to be established Format: AA:BB:CC:DD:EE:FF |
| source TSAP: | source TSAP of this connection as defined in the CP of the S5-PLC |
| destination TSAP: | destination TSAP of this connection as defined in the CP of the S5-PLC |

TSAP generally enter as a HEX number, e.g. 0102 or 4831 without additions !!!

Once these connections have been created and saved, the S7-H1 implementation can be used. Changes to the basic configuration can be made in the webinterface in the "Configuration" menu.

More information about the configuration can be found in the device manual on the product page of the Protocol converter S7-TCPIP <=> H1 (ISO)

Under the web-address <https://www.process-informatik.de> are product specific documentations or software-driver/-tools available to download.
If you have questions or suggestions about the product, please don't hesitate to contact us.

Process-Informatik Entwicklungsgesellschaft mbH

Im Gewerbegebiet 1

DE-73116 Wäschenbeuren

+49 (0) 7172-92666-0

info@process-informatik.de

<https://www.process-informatik.de>

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Menutree Website:

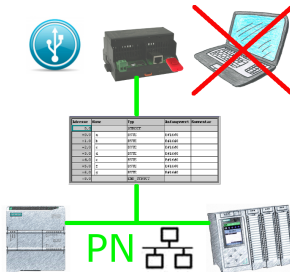
- + Products / docu / downloads
- + Hardware
 - + Remote maintenance
 - + S5
 - + Internet
 - + CONNECT devices
 - + Protocol converter S7-TCPIP <=> H1 (ISO)

QR-Code Website:



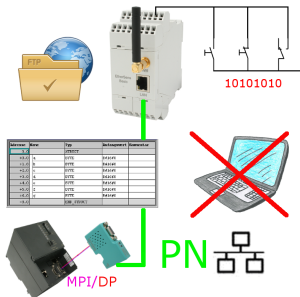
Please make sure to update your drivers before using our products.

Data backup S7-PLC PN-port on USB-stick



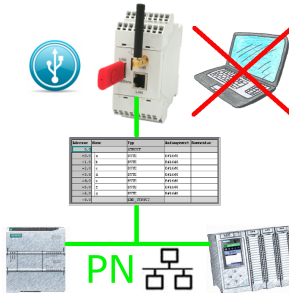
S7-PLC triggered DB-backup/-restore without additional PC via PN-port to USB-stick

Data backup S7-PLC over MPI/Profibus on FTP-server via dig. IO



Via digital input triggered DB-backup/-restore without additional PC via MPI/Profibus to FTP-server

Data backup S7-PLC PN-port on USB-stick



S7-PLC triggered DB-backup/-restore without additional PC via PN-port to USB-stick

S7-PLC over USB

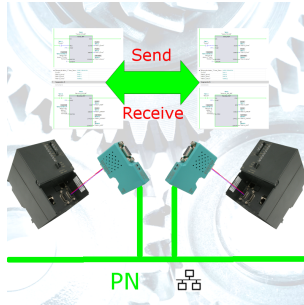


Communication with S7-PLC via USB, just how and with what?

Data-communication with S7-PLC from PC or other devices via USB, which interface is required. Questions you don't have to worry about. With "S7 over USB" you get the right interface-products for PPI, MPI and Profibus.

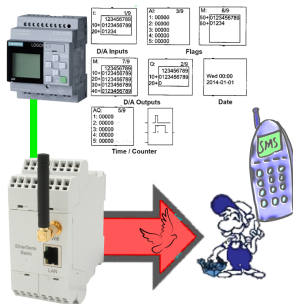
Which one you use then is up to you.

S7-300/400 (MPI/DP) to S7-300/400 (MPI/DP)



Coupling S7-controller with MPI/Profibus at S7-controller with MPI/Profibus via network

SMS Email with LOGO!



Send of all kinds of SMS-messages controlled by the LOGO!-Control