Handling-Shortinstruction V1.0 for

CONNECT-HS-Router + CONNECT-Router
industrial WiFi-router

Connectors:



WiFi

Power connection 24V DC

optional: SIM-card-slot for LTE

LAN-A: PC for configuration or device/PC for communication

optional: remote-maintenance S1
optional: LTE status display

Power-ON

LAN-B: another subnet or client

on: WiFi active
flashing: WiFi-data transfer

on: WiFi active
flashing: WiFi data transfer

Power-ON

LAN-A: PC for configuration or device/PC for communication

Power connection 24V DC

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WiFI

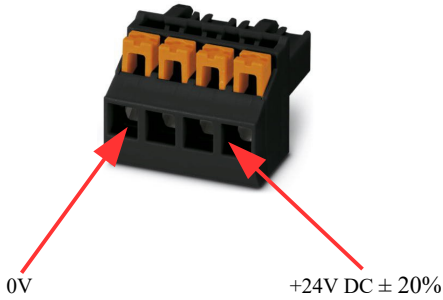
LAN-B: another subnet or client

optional: remote maintenance S1
optional: LTE status display

Power connection :

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

Assignment of voltage plug :



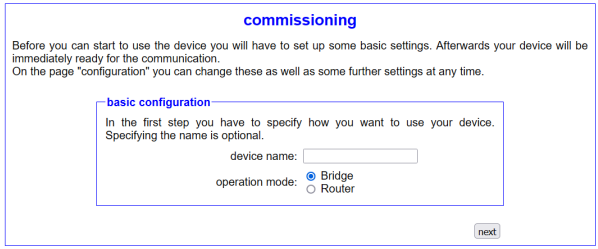
Initial start-up:

- CONNECT-Router 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:



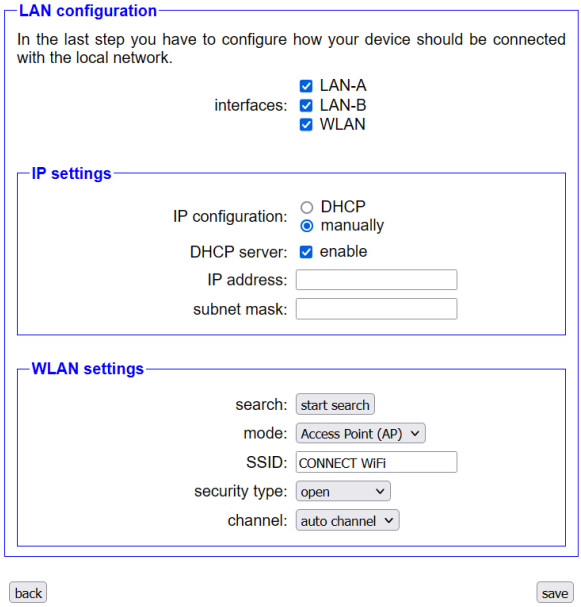
Basic configuration:

Assign a name to the device for identification

2 operating modes are possible with the CONNECT-Router :

- Bridge — Multiple interfaces connected to a common network
- Router — Separation between LAN and WAN (Internet) network

For operation mode Bridge:



LAN configuration:
Determine the interfaces that should be bridged

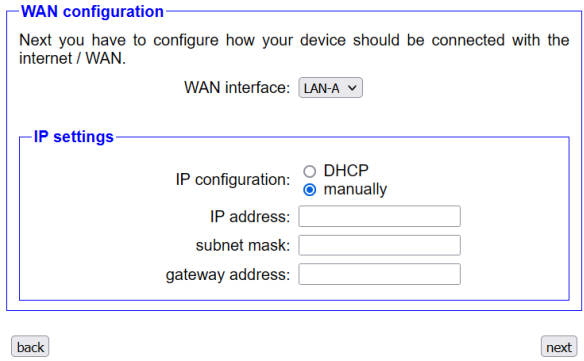
IP settings:

- IP configuration:	DHCP (parameters come from a DHCP master on the network) Manual (IP address + subnet mask fields must contain valid values)
- DHCP server:	Device is a DHCP server on the selected interfaces
- IP address:	IP address of the device
- subnet mask:	Subnet mask of the device

WLAN settings:

- Search:	Searches for accessible WiFI networks and lists them. By clicking on an entry, the selected WiFi network is used for connection	
- Modus:	Access-Point (AP) [the CONNECT-Router opens its own WiFi] Client [the CONNECT-Router connects to an existing WiFi network]	
- SSID:	Name of the connected or created network	
- Sicherheitsstufe:	Open	(no encryption)
	WEP	(either 5 or 13 ASCII/10 or 26 hexidecimal characters)
	WPA	(8-64 ASCII characters)
	WPA2	(8-64 ASCII characters)
	WPA/WPA2	8-64 ASCII characters (Independent automatic selection whether WPA or WPA2)
- Kanal:	Selection of the connection channel	

for operation mode Router:



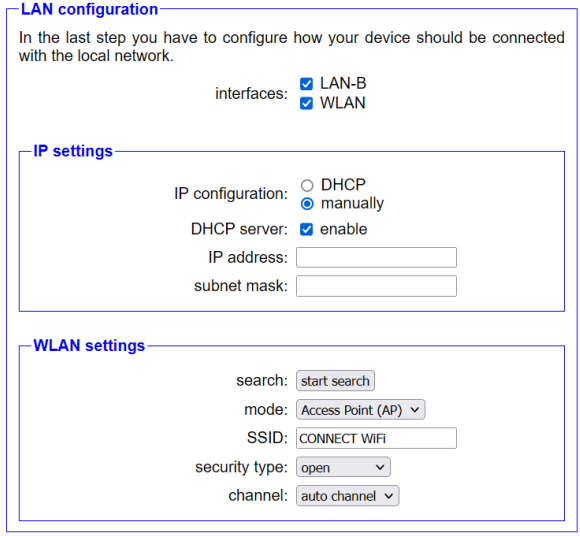
WAN interface: Set the WAN interface from LAN-A, LAN-B oder WLAN

IP settings:

- IP configuration: DHCP (Parameters come from a DHCP master on the network)
  Manuell (fields IP Address + Subnet Mask + Gateway Address 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

LAN configuration:

Determine the interfaces that should be connected to the local network



IP settings:

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WLAN settings:

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  - WPA/WPA2 8-64 ASCII characters (Independent automatic selection whether WPA or WPA2)
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By “Save” the selected configuration is adopted. The device is ready for use in the specified operating mode after a short waiting period (maximum 10s).

You need the following operating modes for the following situations :

Situation	Operating mode	WLAN mode	Particularities
With a laptop around the S5/7 PLC + CONNECT-Router	Bridge	Access-Point	PLC via S5/7 LAN on LAN-A port, additional LAN participants on LAN-B port
Bring S5/7-PLC or LAN-participants into the existing WiFi network	Bridge	Client	PLC via S5/7-LAN / LAN-participant on LAN-A port, additional LAN-participant on LAN-B port
Create a separate subnet for connected devices	Router	Access-Point	LAN-A port to the company network, LAN-B port + WLAN to the machine network (Don't forget routes in the company network)
Extend LAN route Attention: 2 devices are required	Bridge	1. device Access-Point 2. device Client	One device as AP and the second as client

After selecting the configuration, save it in the device and after a short initialization time (max. 10s) the devices are ready for operation.

You can find out more about the operating modes in the device manual on the CONNECT-Router product page.

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.

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      + CONNECT-Router-devices
        + CONNECT-HS-Router

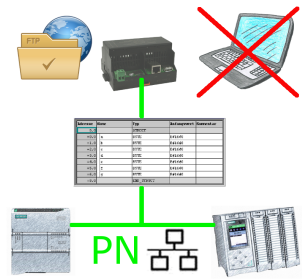
QR-Code Website:





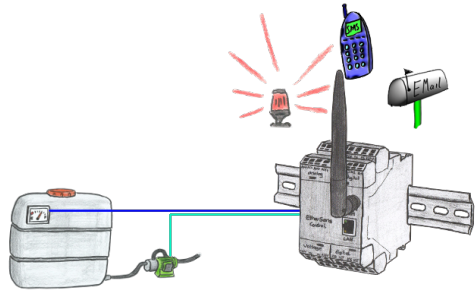
Please make sure to update your drivers before using our products.

Data backup S7-PLC PN-port on FTP-server



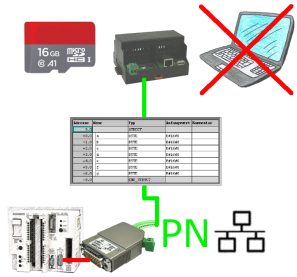
S7-PLC triggered DB-backup/-restore without additional PC via PN-port on FTP-server

Capture data and control independently



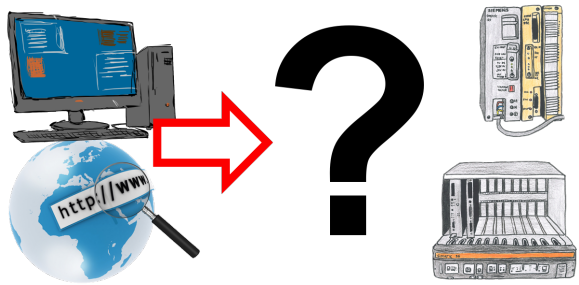
Apply small control tasks of your systems with EtherSens-Control-devices. Determine switching points where the device is running to respond. Depending on the parameterization, an email or SMS notification (depending on the device-configuration) or the device automatically controls via the optional IO-modules (analog / digital / relay).

Data backup S5-PLC on SD-card



S5-PLC triggered DB-backup/-restore without additional PC via PG-socket and Ethernet on SD-card

Interface-products for S5-PLC



Communication with S5-PLC, just how and with what?

Data communication with S5-PLC from PC or other devices, which interface fits on/to my controller. All questions you don't have to worry about. With "Programming adapter S5" you get the right interface.

Select the interface of your PC or device (serial via COM-port, USB, Ethernet (network), WIFI) and you will be shown the possible products.

Which one you use then is up to you.