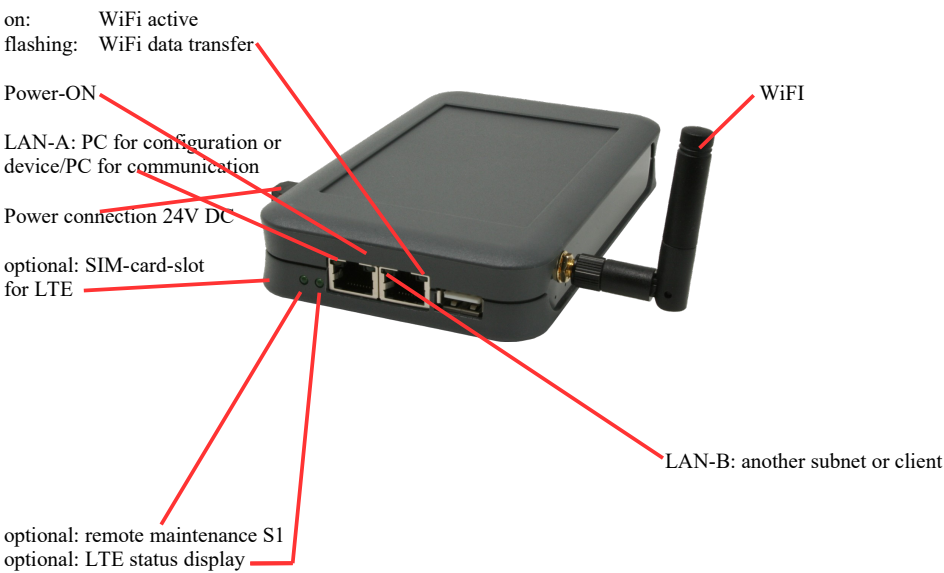


Handling-Shortinstruction V1.0 for CONNECT-HS-Router + CONNECT-Router industrial WiFi-router

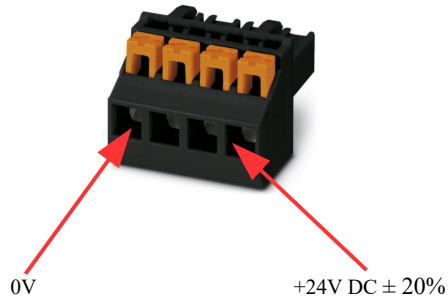
Connectors:



Power connection :

Voltage: 24 V DC \pm 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:

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 to specify how you want to use your device.
Specifying the name is optional.

device name:

operation mode: ☒ Bridge
☐ Router

next

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

In the last step you have to configure how your device should be connected with the local network.

interfaces: ☒ LAN-A
☒ LAN-B
☒ WLAN

IP settings

IP configuration: ☐ DHCP
☒ manually

DHCP server: ☒ enable

IP address:

subnet mask:

WLAN settings

search:

mode: ▼

SSID:

security type: ▼

channel: ▼

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 hexadecimal 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 configuration

Next you have to configure how your device should be connected with the internet / WAN.

WAN interface: LAN-A ▾

IP settings

IP configuration: ☐ DHCP
☒ manually

IP address:

subnet mask:

gateway address:

back

next

WAN interface:

IP settings:

- IP configuration:

- IP address:

- subnet mask:

- gateway address:

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

DHCP (Parameters come from a DHCP master on the network)

Manuell (fields IP Address + Subnet Mask + Gateway Address must contain valid values)

IP address of the device

Subnet mask of the device

Gateway address of the device

LAN configuration:

Determine the interfaces that should be connected to the local network

LAN configuration

In the last step you have to configure how your device should be connected with the local network.

interfaces: ☒ LAN-B
☒ WLAN

IP settings

IP configuration: ☐ DHCP
☒ manually

DHCP server: ☒ enable

IP address:

subnet mask:

WLAN settings

search: start search

mode: Access Point (AP) ▾

SSID: CONNECT WIFI

security type: open ▾

channel: auto channel ▾

back

save

IP settings:

- IP configuration: DHCP (Parameters come from a DHCP master on the network)
Manuell (fields IP address + subnet mask 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 hexadecimal 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

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.

Process-Informatik Entwicklungsgesellschaft mbH

Im Gewerbegebiet 1

DE-73116 Wäschenbeuren

+49 (0) 7172-92666-0

info@process-informatik.de

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

Copyright by PI 2024 - 2025

Menutree Website:

- + Products / docu / downloads
- + Hardware
 - + Router 3G / WLAN/WIFI
 - + CONNECT-Router-devices
 - + CONNECT-HS-Router



QR-Code Website:



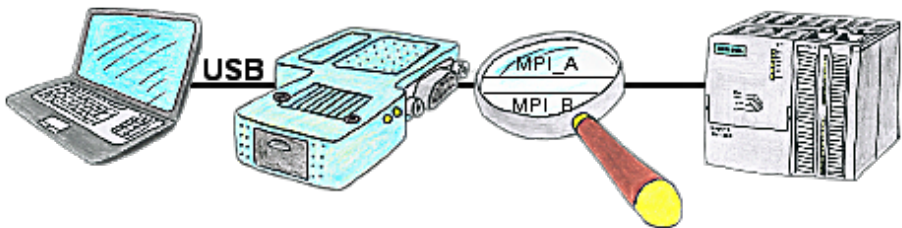
Please make sure to update your drivers before using our products.

Remote Maintenance via keyboard and voice



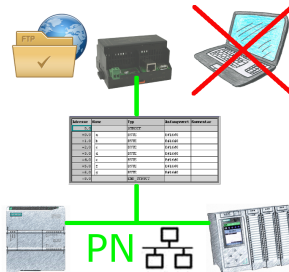
The MESSI remote-station will be called directly by integrated mobile-phone. If a connection comes off, digital In- and Outputs for teleswitching will be transmitted. Each device can both transmit state of things and accordingly receive switch signals.

Access to MPI/Profibus without power supply



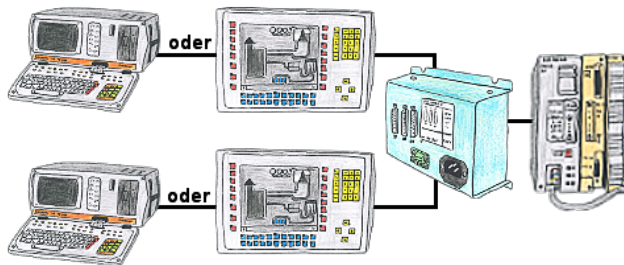
You're right in the middle of your production line and are standing in front of a passive assembly just like a switcher or a ET200, in that case you won't be able to go Online without an external power supply of your programming adapter, unless you're using the S7USB. This module is supplied completely from the USB-interface.

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



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

PD-interface of the S5-PLC already occupied (service device)



Your PD-interface of the S5-PLC is already occupied with a panel and you should accomplish program modifications without removing the panel? No problem, connect the Multiplexer one-time to the PLC and then connect the panel and also your PC to the Multiplexer. Now you can work parallel with the PLC without the need of affecting the operation of the panel. 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.

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