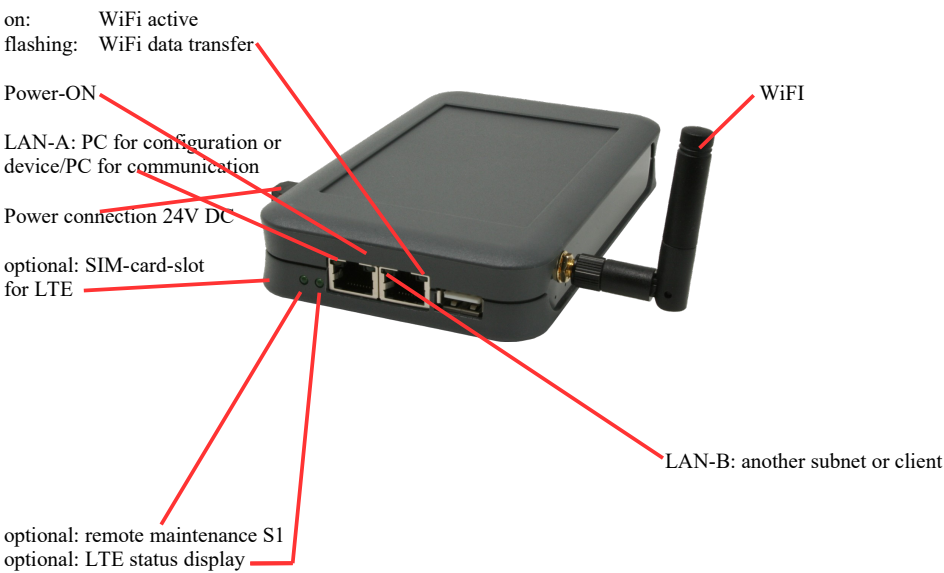


Handling-Shortinstruction V1.0 for CONNECT-HS-Router + CONNECT-Router industrial WiFi-router

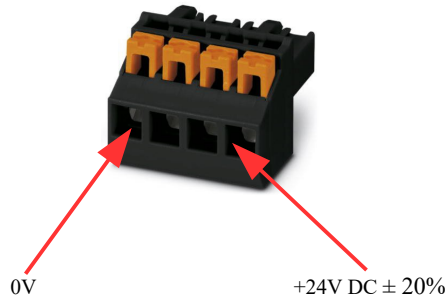
Connectors:



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.

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Menutree Website:

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

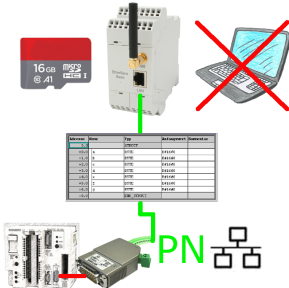


QR-Code Website:



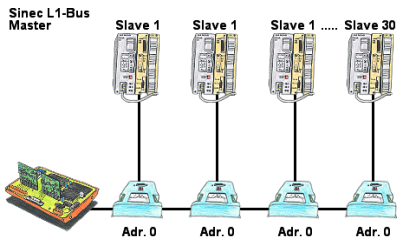
Please make sure to update your drivers before using our products.

Data backup S5-PLC on SD-card



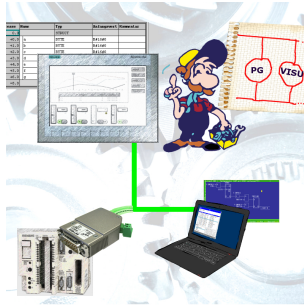
S5-PLC triggered DB-backup/-restore without additional PC via PG-socket and Ethernet on SD-card

Sinec-L1-bus without master (CP530)



You have a running Sinec-L1-bus and your master the CP530 is defective or rather broke down and the bus has to continue running? No problem, connect the L1-controller to the according bus-modules instead of the CP530, define the circulation list of the clients and the L1-bus continues running immediately.

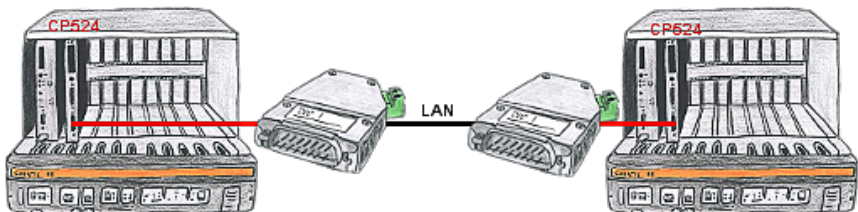
Profinet-panel directly on S5-PLC



Replace defective panels in your "old" S5-systems with current and available S7-panels
To do this, simply insert a placeholder PLC (e.g. 315-2-PN / DP) in the WinCC-project, the IP-address of the PLC corresponds to the IP-address of the S5-LAN++-module. You can then visualize the data as usual.

At the same time, the PLC can also be programmed/monitored via the network.

Extension of a 3964R-line via LAN



There is a control with CP524 in your outstation and the communication partner of the CP has moved locally. Connecting path is a LAN-network. So each of both participants gets a 3964R-LAN and after input of the partner's IP-address a coupling via LAN will be configured.