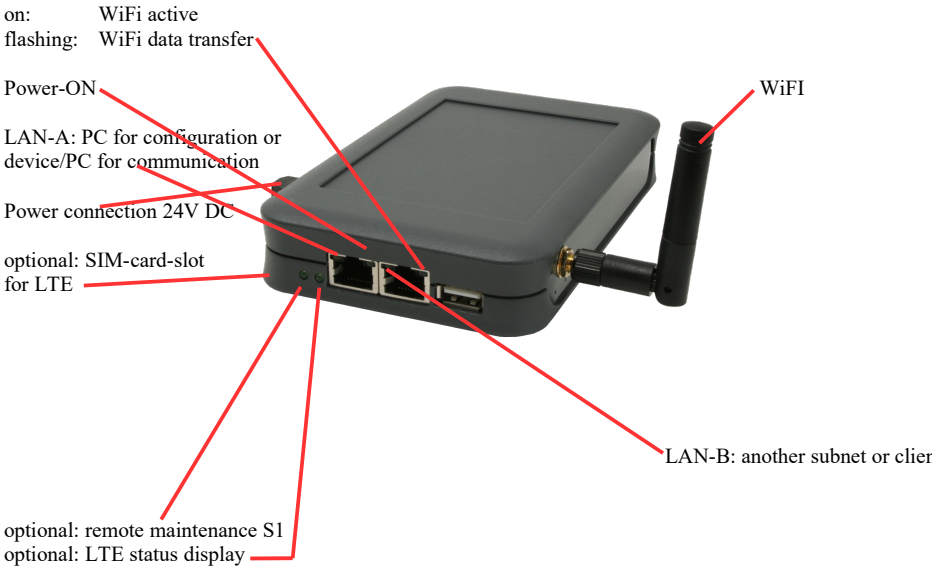
Handling-Shortinstruction V1.0 for

CONNECT-IP-Switch

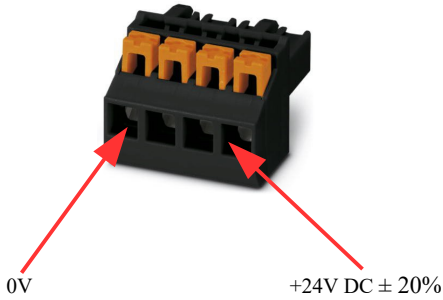
Connectors:



Power connection :

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

Assignment of voltage plug :



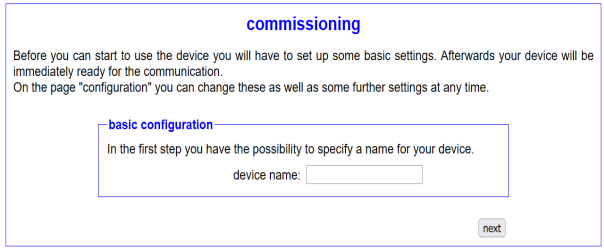
Initial start-up:

- CONNECT-IP-Switch 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

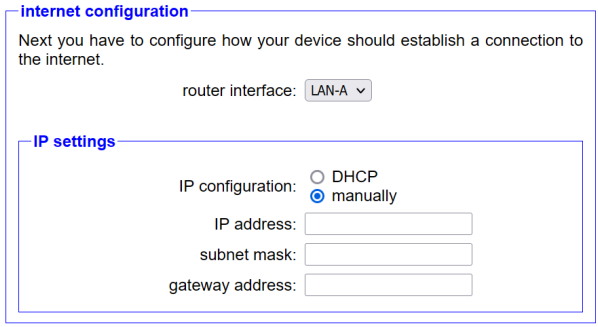
- Connect the PC to the LAN port using a LAN cable
- PC must be in the 192.168.2.xxx subnet

Starting page:



Basic configuration:
Assign a name to the device for identification

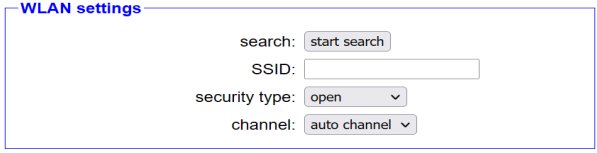
Connection to company network:



Internet-configuration:
Determine the interface to which the target 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

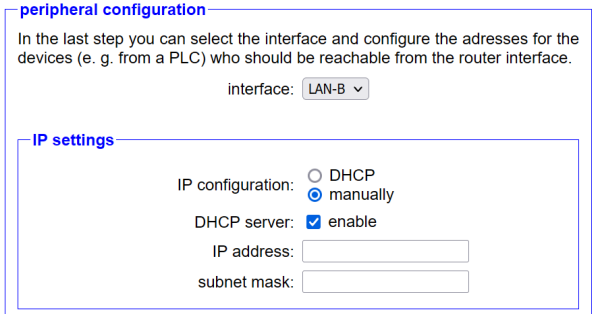


WLAN settings:

- Search:	Searches for accessible WiFI networks and lists them. By clicking on an entry, the selected WiFi network is used for connection	
- SSID:	Name of the connected or created network	
- security type:	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)
- channel:	Selection of the connection channel	

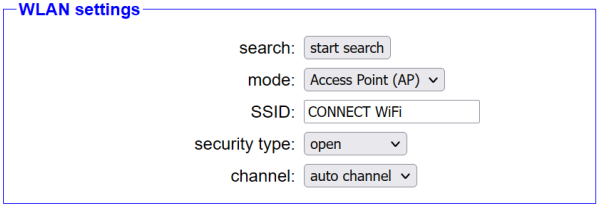
Peripheral configuration:

Interface: Determine the interface that is to be connected to the machine network



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 a DHCP server on the selected interfaces
- IP address: IP address of the device
- subnet mask: Subnet mask of the device

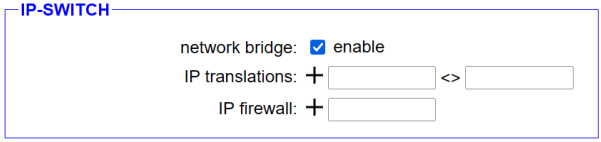


WLAN settings:

- search: Searches for accessible WiFI networks and lists them; by clicking on an entry, the selected WiFi network is used for connection
- mode: Access-Point (AP) [the CONNECT-IP-Switch opens its own WiFi]
  Client [the CONNECT-IP-Switch connects to an existing WiFi network]
- SSID: Name of the connected or created network
- security type: Offen (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)
- channel: Selection of the connection channel

IP-Switch configuration:

Determine the IP addresses or IP address ranges that are to be converted from the machine network into the company network.



- network bridge:	With this option, all IP packets from the company network to the machine network and vice versa are pushed through the CONNECT-IP switch, except for the packets for IP address translation is registered. This option must be deactivated to ensure strict separation of the machine network and the company network!	
- IP translation:	left field:	IP address from the machine network that is to be implemented
	right field:	Converted new IP address from the company network
	The line is accepted with the + symbol and further conversion can be entered	
- IP firewall:	Here you determine whether and which IP addresses from the machine network are allowed to communicate with the company network	

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-IP switch 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

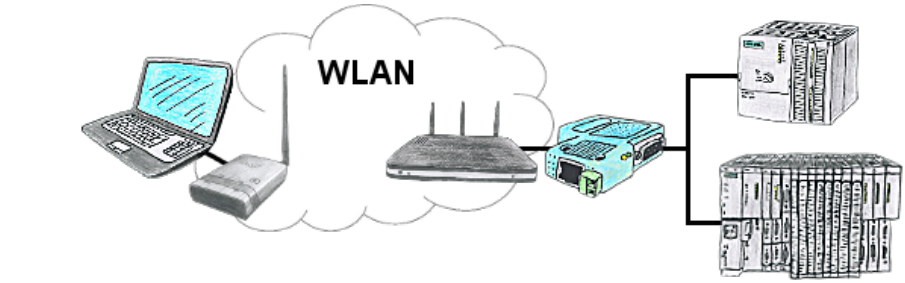
Menutree Website:

+ Products / docu / downloads
  + Hardware
    + Remote maintenance
      + S5
        + Internet
          + CONNECT devices
            + CONNECT-IP-Switch

QR-Code Website:

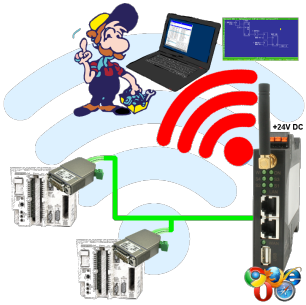
Please make sure to update your drivers before using our products.

Operation as a WLAN-client



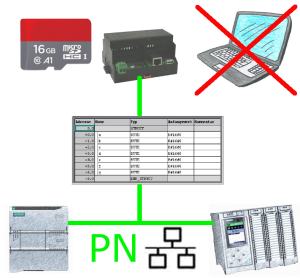
You are on site your plant and should move round the machine and simultaneously control or monitor. WLAN is reachable, but your PC is not able to provide WLAN. No problem, you parametrize ALF as a client and connect him to the PC and join the reachable WLAN and you are online on the PLC.

Wireless around the S5-PLC



Move wirelessly around the S5-PLC and communicate for example ONLINE in the status

Data backup S7-PLC PN-port on SD-card



S7-PLC triggered DB-backup/-restore without additional PC via PN-port on SD card

Worldwide access

No matter where you are, access to the EtherSens-device and its web-interface is available from everywhere.