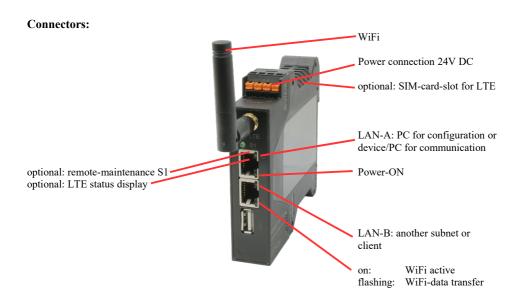
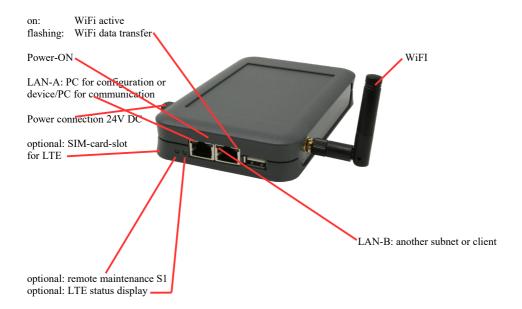
# Handling-Shortinstruction V1.0 for

# **CONNECT-IP-Switch**





#### Power connection:

Voltage:  $24 \text{ V DC} \pm 20\%$ 

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:

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:

ſ	Internet configuration  Next you have to configure how your device should establish a connection to the internet.		
	router interface: LAN-A V		
	IP settings—		
	IP configuration: ○ DHCP		
	IP address:		
	subnet mask:		
	gateway address:		

#### **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:
 subnet mask:
 gateway address:
 IP address of the device
 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

ļ	peripheral configuration				
ı	poriprioral configuration				
	In the last step you can select the interface and configure the adresses for the devices (e. g. from a PLC) who should be reachable from the router interface.				
	interface: LAN-B v				
	IP settings—				
	IP configuration:  ODHCP  manually				
	DHCP server: ✓ enable				
	IP address:				
	subnet mask:				
П					

**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	start search
mode:	Access Point (AP) V
SSID:	CONNECT WiFi
security type:	open 🗸
channel	auto channel 🗸

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

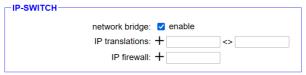
whether WPA or WPA2)

- channel: Selection of the connection channel

#### **IP-Switch configuration:**

- IP firewall:

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: 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 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:**

### **QR-Code Website:**

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







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

# PLC-coupling (data exchange between PLC-devices)



Your pumping stations report the water levels of the central control via telephone network. The central office itself can of course transmit commands/messages to the substations as well. Thereto no dedicated line is required, a "normal" telephone connection is sufficient because the devices hangs up the line after occured message.

# Detect failure of Profinet-devices



Identify devices that are likely to fail in the near future.

Detect defective devices that no longer respond to PN protocols.

Defective devices are reported by email and logged.

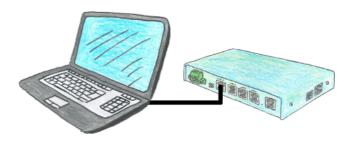
No long troubleshooting thanks to exact station information.

# Data backup S5-PLC on FTP-server via dig. IO



Via digital input triggered DB-backup/-restore without additional PC via PG-socket and Ethernet to FTP-server

# Integrated WebServer



You would like to use a device that is small and handy and reasonably parameterizable yet? No problem, with the TELE-Router you fulfill all these requirements. The device is parameterizable via an integrated web server, connections self-explanatory.