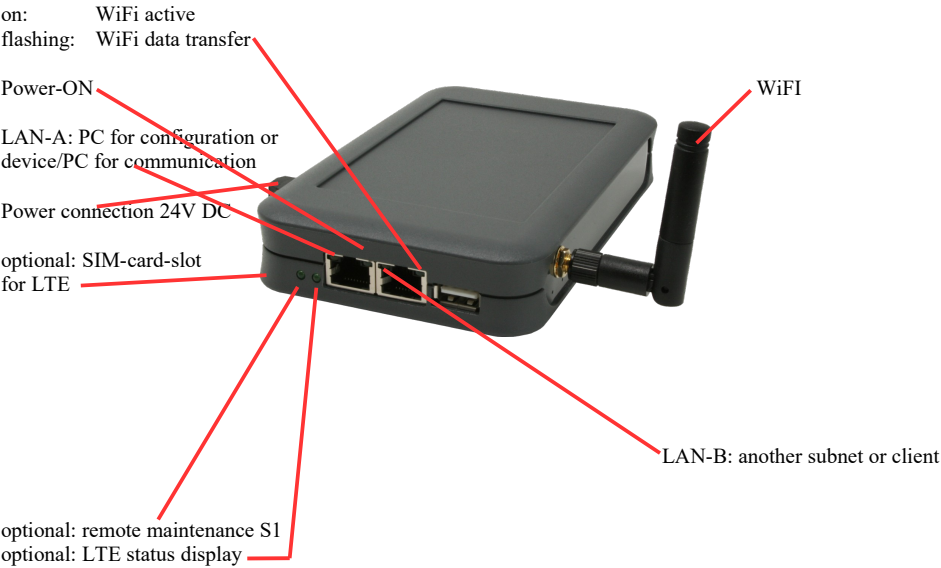
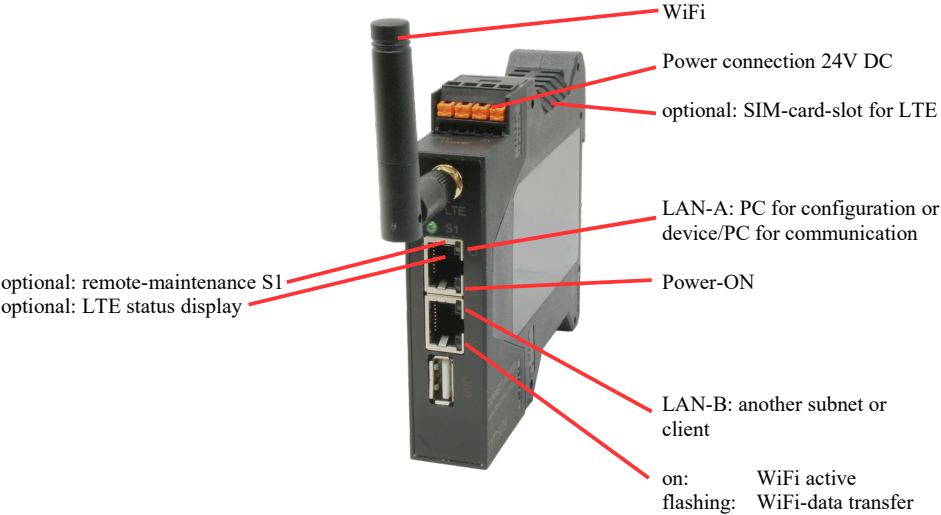


# Handling-Shortinstruction V1.0 for CONNECT-IP-Switch

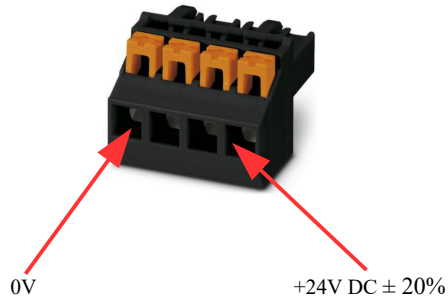
**Connectors:**



## Power connection :

Voltage: 24 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:

**Internet configuration**

Next you have to configure how your device should establish a connection to the internet.

router interface: LAN-A ▾

**IP settings**

IP configuration: ☐ DHCP  
☒ manually

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: IP address of the device
- subnet mask: Subnet mask of the device
- gateway address: Gateway address of the device

**WLAN settings**

search:

SSID:

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
- SSID: Name of the connected or created network
- security type: 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)
- channel: Selection of the connection channel

## Peripheral configuration:

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

**peripheral configuration**

In the last step you can select the interface and configure the addresses for the devices (e. g. from a PLC) who should be reachable from the router interface.

interface:

**IP settings**

IP configuration: ☐ DHCP  
☒ manually

DHCP server: ☒ enable

IP address:

subnet mask:

## 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:

mode:

SSID:

security type:

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 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)
- 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.

IP-SWITCH

network bridge: ☒ enable

IP translations: +  <>

IP firewall: +

- 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
- IP firewall: 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.

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### **Menutree Website:**

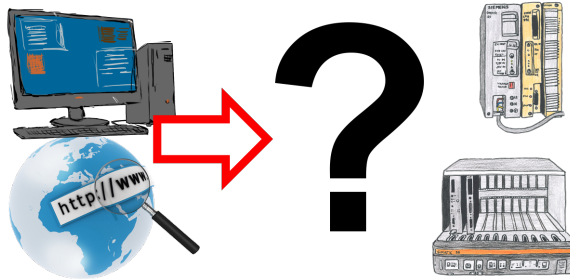
- + Products / docu / downloads
- + Hardware
  - + Remote maintenance
  - + S5
    - + Internet
    - + CONNECT devices
    - + CONNECT-IP-Switch

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



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

## Interface-products for S5-PLC



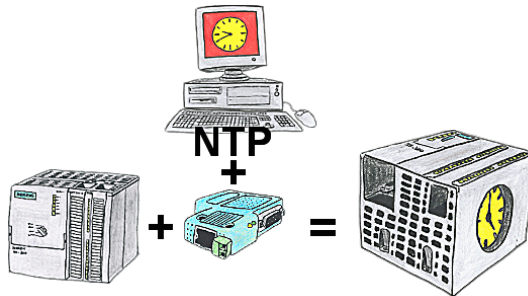
Communication with S5-PLC, just how and with what?

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.

## Actual time for the PLC?



You need in your PLC a actual time? No problem, with the NTP-function the S7-LAN-module get from a NTP-(Time-)Server the actual time and transfers it direct into the configured PLC or for processing in a DB.

## Wireless around the Mitsubishi-PLC



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

## S5-PLC over USB



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

Data-communication with S5-PLC from PC or other devices via USB, which interface is required. Questions you don't have to worry about. With "S5 over USB" you get the right interface-products for your interface of the PLC.

Which one you use then is up to you.