Handling-Shortinstruction V1.0 for

CONNECT-IP-Switch

Connectors:

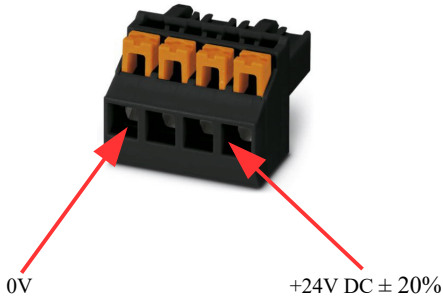




Power connection :

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

Assignment of voltage plug :



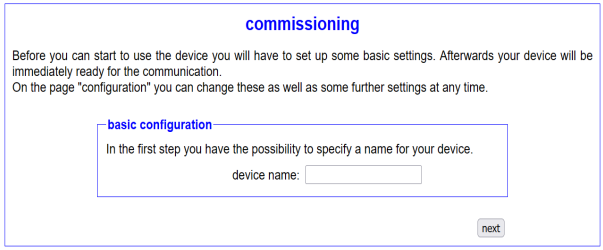
Initial start-up:

- 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

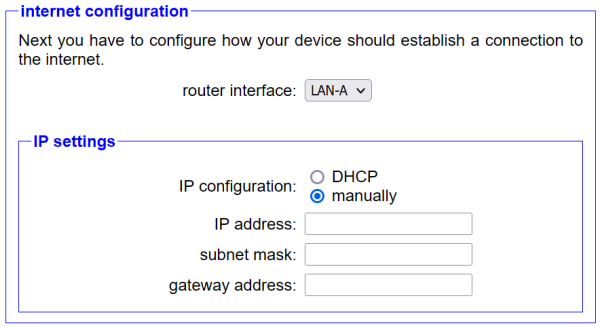
- Connect the PC to the LAN port using a LAN cable
- PC must be in the 192.168.2.xxx subnet

Starting page:



Basic configuration:
Assign a name to the device for identification

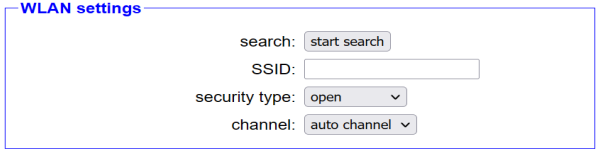
Connection to company network:



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

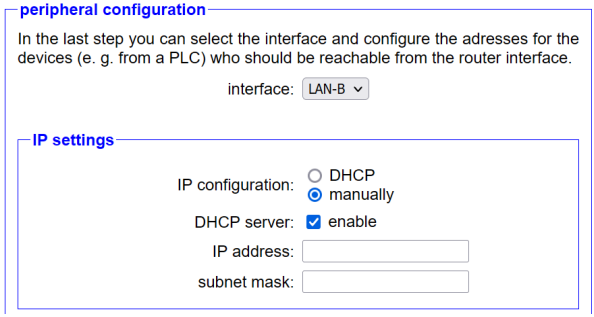


WLAN settings:

- 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	

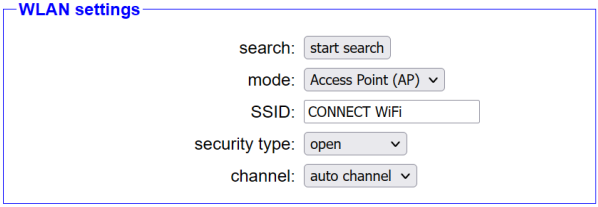
Peripheral configuration:

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

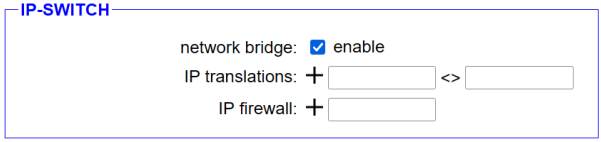


WLAN settings:

- 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 - 2026

Menutree Website:

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

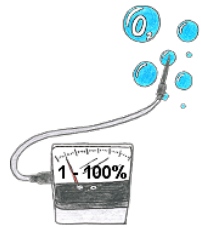
QR-Code Website:





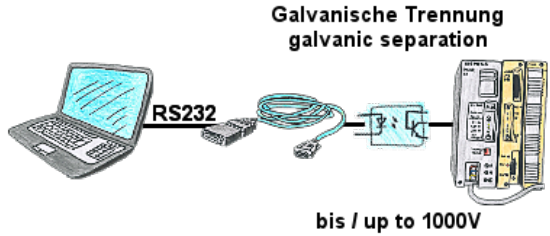
Please make sure to update your drivers before using our products.

Easy handily oxygen display



You need the concentration of oxygen in your neighborhood? No problem, with the mobile HMG you can determine the concentration from 1 up to 100% with a exactness of 1% (dependend on your sensor).

Galvanic coupling to the S5-PLC (CPU-assemblies 15pin)

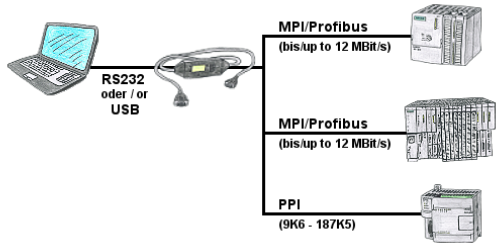


S5-PLC-communication, high-quality PC and fear of interfaces, unsure whether the PLC is grounded or the PLC is in an unsafe environment. Galvanic-separation is the most practical solution. "PG-ISO-Set" (PG-UNI-cable + PG-ISO-adapter) galvanically separates the coupling to the connected S5-PLC, offers protection of the PCs up to a voltage difference of 1000V.

If galvanic-isolation is not required, remove the PG-ISO-adapter and use the PG-UNI-cable like a standard S5-interface-cable.

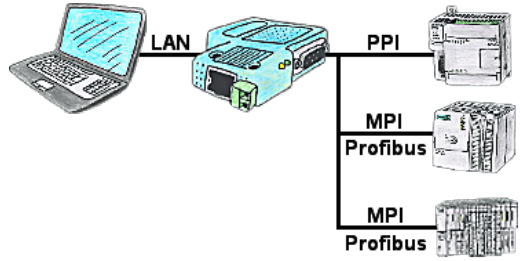
No external supply necessary, function on 15-pin PG-interfaces. Earth objects between the PC and the S5-PLC are separated.

Programming S7-PLC/-modules via RS232/USB



PLC-programming/-communication from the PC "serial" or via "USB" from S7-200/300/400 or modules such as Sinamix, Sinumerik, MicroMaster, drives, converters.
PPI up to 187.5 Kbit (PPI + PPI advanced), MPI/Profibus up to 12 Mbit. Compatible with the Siemens driver "PC-adapter", communication only with 64-bit operating-systems via USB and TIC-driver (limitation of serial communication from Siemens to 32-bit operating-systems).

Programming of S7-PLC-devices via LAN



S7-PLC with PPI, MPI, Profibus connection, but data should be read/written via network?

Ethernet-CP cannot be used because of the effort (hardware-configuration), price, space in the rack, availability. Plug S7-LAN-module/MPI-LAN-cable into a free bus-connector, assign the IP-address and the PLC can be reached via the network. There is no need to invest any more effort. The adapter can be parameterized via an integrated web-server or a configuration-tool. No changes to the S7-PLC are necessary to operate the adapter.
The adapter can also be used to implement PUT/GET-connections to other controls, but the PLC-program must be changed for this. Other PLCs can just as well read/write data from this controller via PUT/GET; nothing needs to be changed in the PLC program.
Automation very easy: Connect, parameterize and work.