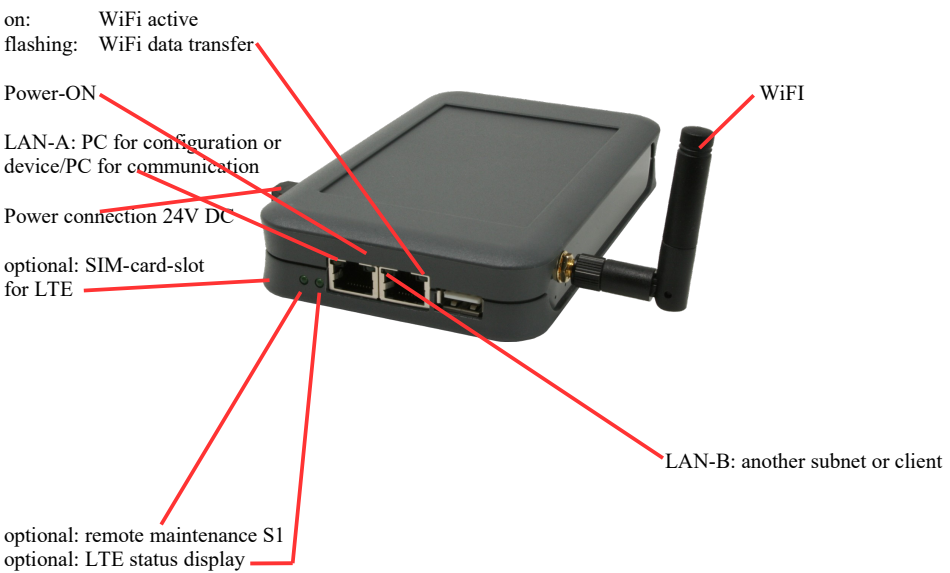
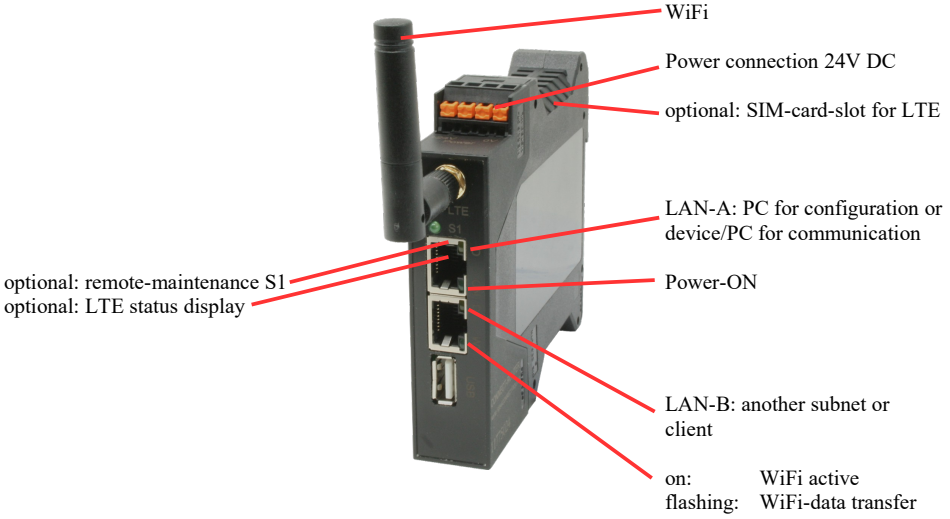


Handling-Shortinstruction V1.0 for CONNECT-IP-Switch

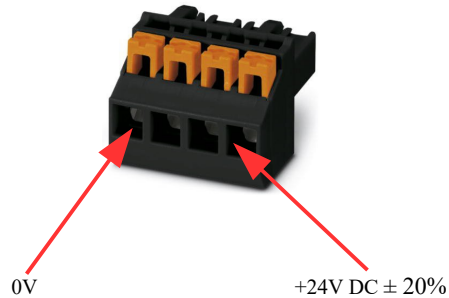
Connectors:



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:

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:

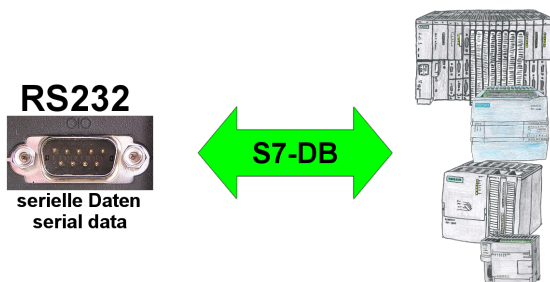
- + Products / docu / downloads
- + Hardware
- + Remote maintenance
- + S5
- + Internet
- + CONNECT devices
- + CONNECT-IP-Switch

QR-Code Website:



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

S7-PLC and serial ASCII-data

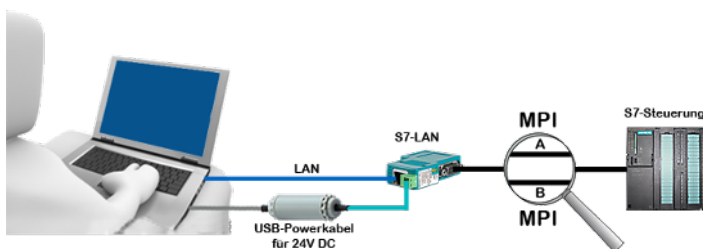


S7-PLC should process serial ASCII-data from another/external device and send back the corresponding data?

"RS232 on S7" receives this serial data and transfers it to a data-block of your choice specified in the configuration. The S7-PLC can then process the data received in this way and send back an answer via a data-area that is also defined.

The baud-rate of the serial line can be freely selected. This allows communication with the ASCII-transmitter to be implemented, with the S7-PLC using the two specified data-areas as input-/send-compartments.

24V-supply from USB-port

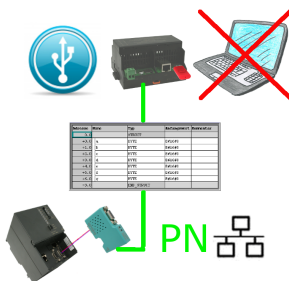


On site at your system, in the middle of the field and no 24V supply for your e.g. S7-LAN-module?

Plug the USB power cable into a free USB-socket on the PC, connect the cable to e.g. the S7-LAN-module and you have supplied the module with 24V and are immediately online on the connected bus system.

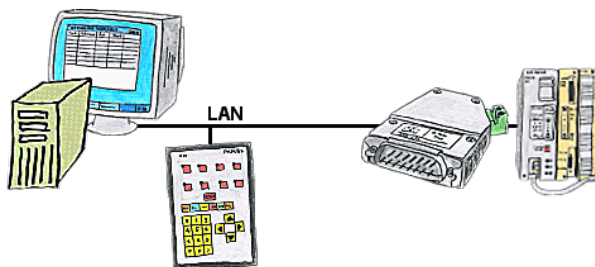
The adapter generates the required 24V DC from the 5V of the USB-interface. When using one USB-port, a maximum of 2.5W is available.

Data backup S7-PLC over MPI/Profibus on USB-stick



S7-PLC triggered DB-backup/-restore without additional PC via MPI/Profibus on USB-stick

Watching of S5-PLC's via LAN without Ethernet-CP



Your panel only has a LAN-socket as PLC-interface, no problem. Connect this socket with the S5-LAN++ and plug it directly on the PD-interface of the PLC. Then access to the variables and data of the PLC is already available.