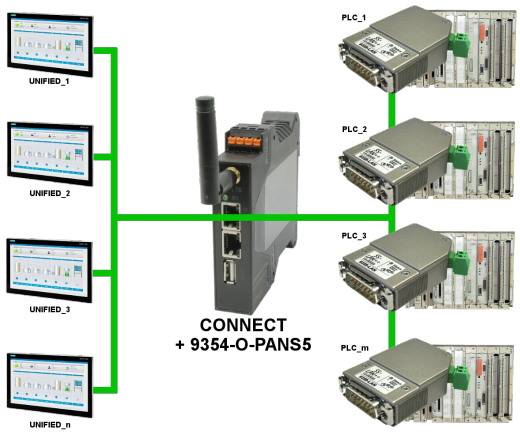
Handling short instructions V1.0 (from FW-version V1.17) for

Option for CONNECT: Panel to S5
(Unified-panel to S5-PLC with S5-LAN++)

Basic structure of the CONNECT device:



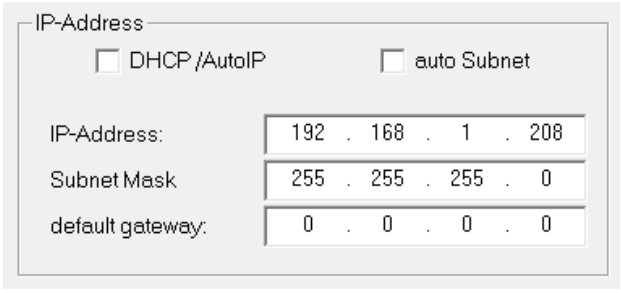
The Unified Panel, the CONNECT device, and the S5-LAN modules are located in the same subnet. Consequently, the network is connected to LAN_A on the CONNECT device. A single connection from the device to the network is sufficient; daisy-chaining is not required.

1.) Configure the S5-LAN++ module according to the requirements and set the IP address

- Disable the Windows Firewall on your PC if there is no DHCP master on the network
  (otherwise, the module will not be found because it will assign itself an IP address that is very often blocked)
- Either plug the S5-LAN++ into the target PLC and, for PLC types S5-90 – S5-100U, supply it externally with 24V DC or supply the module directly with 24V DC externally
- Install and start the "S5-LAN-Manager" tool (downloadable from the S5-LAN++ product page) on your PC
- search for possible S5-LAN++

Once the module is found and displayed, click (highlight) the entry in the table and open the settings with

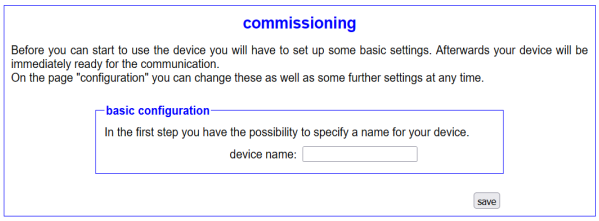
Now assign the module an IP address and a suitable subnet mask that match the network



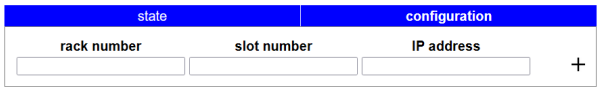
and confirm with OK. The module will restart and will then be available on the network with the assigned IP address.

2.) Configure the CONNECT device for operation with the S5-LAN++

- Supply the CONNECT device with 24V DC (see CONNECT device quick guide)
- Open the web page of the CONNECT device using the standard LAN-IP-address 192.168.2.1 or via WLAN with IP-address 192.168.1.1



and give the device a logical name, which will also be used as the hostname. The device will then restart and display the configuration menu of the option. :

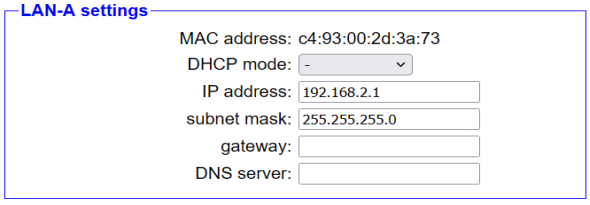


You can now enter the IP-address of the S5-LAN++ module in the "IP-address" field.
To ensure the S5-LAN++ module can be uniquely addressed by the UNIFIED-panel, you must assign a specific rack and slot number. These parameters must then be used by the UNIFIED-panel. This allows you to use multiple S5-LAN++-modules with the device. The UNIFIED-panel distinguishes between them using their unique rack/slot addresses.
Valid values [256 rack/slot combinations are possible]:
for slot: 0 .. 31 (Please check which slot addresses can be configured in the connection settings of the panel)
for rack: 0 .. 7 (Please check which rack addresses can be configured in the connection settings of the panel)

For example:
1. S5-LAN++-module with IP-address 192.168.1.108 => Rack: 0 Slot: 1
2. S5-LAN++-module with IP-address 192.168.1.109 => Rack: 0 Slot: 2

Whenever you have selected an entry, click the "+" sign to apply it; it will then be immediately applied and saved in the device.

- Adjust the IP-address of the CONNECT device to match the respective network. To do this, click on "Menu" in the web interface and then open the configuration menu. The settings are described in the "LAN-A settings" section.



Once you have set the IP-address and subnet mask, complete the configuration by using the button

The device restarts and is then reachable via LAN using the IP-address assigned there.
In our example, the device was assigned the IP-address 192.168.1.100.

3.) Using S5-LAN++-modules in WinCC with the correct parameters

You can now create and use the corresponding connections to the two S5-LAN++-modules in your WinCC system via S7-TCPIP. The connection details for both modules will then look like this:

1. S5-LAN++-module: IP 192.168.1.100 with Rack 0 and Slot 1
2. S5-LAN++-module: IP 192.168.1.100 with Rack 0 and Slot 2

The UNIFIED-panel communicates with the CONNECT device, which in turn communicates with the two S5-LAN++-modules. This configuration allows the UNIFIED-panel to read and write the respective PLC data.

If the device is to be operated with additional modules later, or if the IP-configuration of an S5-LAN++-module changes, the configuration menu can also be accessed via:

„menu“ => „connections“ => „configuration“

Clicking the pencil icon allows you to edit an entry, while clicking the “-”-sign deletes it. Changes to an entry are applied by clicking the “+”-sign next to the row.