

# Operation Quick Start Guide V1.4 (from FW-version V1.03) for

## CONNECT

### Remote access/machine access without configuration/IT-knowledge

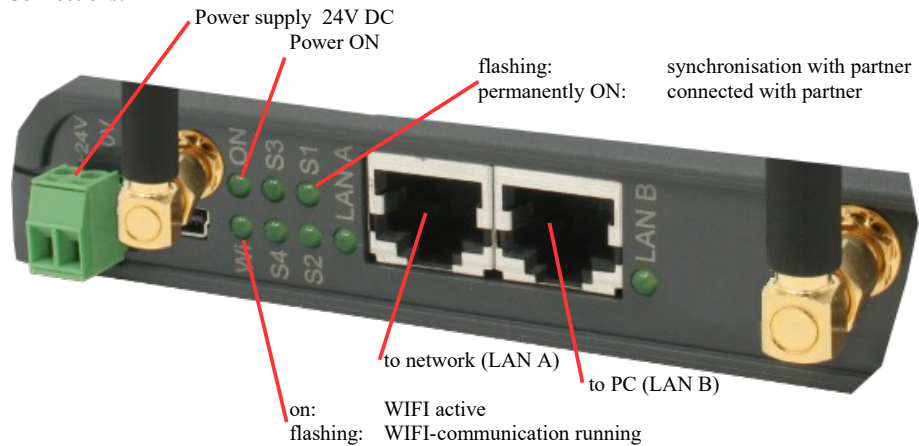


### 9354-CONNECT-LTE

#### Voltage connection :

Voltage: 24 V DC  $\pm$  20%  
Power: 12W

#### Connections:



### First commissioning :

- CONNECT-device creates WLAN network with SSID "CONNECT WIFI"
- with active DHCP master (laptop is automatically assigned an IP address)
- Connect laptop to this WiFi network and open with browser the webserver with IP: <http://192.168.1.1>:

or

LAN-cable in LAN\_A-port and open browser webserver with IP: <http://192.168.2.1>:


### 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 to specify some information about your device. The name and the password are optional.

device name:

device number:  

device password:  

### internet configuration:

- CONNECT (uses the internet connection of the connected PC)

#### internet configuration

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

connection type: ☒ CONNECT  
☐ GATEWAY  
☐ LTE

router interface:

PC interface:

- Gateway (uses own ip-address for internet connection)

**internet configuration**

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

connection type: ☐ CONNECT ☒ GATEWAY ☐ LTE

router interface:

**IP settings**

IP configuration: ☐ DHCP ☒ manually

IP address:

subnet mask:

internet access: ☒ gateway ☐ proxy server

gateway address:

- LTE (uses LTE for the internet connection)

**internet configuration**

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

connection type: ☐ CONNECT ☐ GATEWAY ☒ LTE

**LTE settings**

PIN code:

access point (APN):

Peculiarity:

The APN "internet" is standard for most providers, but can be changed if necessary.

Insert the SIM card on the right side of the device as shown until there is a slight click, then release the card (it is locked in place)

[Reverse to trigger, click until noise and let go => Card extends]

LTE-LED:	flashing slowly :	Searching network
	permanent ON:	Network found
	flashing rapidly :	communication

peripheral configuration:

- CONNECT + GATEWAY

**peripheral configuration**  
Here you can select the interface and configure the addresses for the devices (e. g. from a PLC) who can communicate with the devices or the PC from the partner device. When using the connection type CONNECT this step is optional.  
interface:   
**devices**  
IP addresses: +   
IP address ranges: +  -

- LTE

**peripheral configuration**  
Here you can select the interface and configure the addresses for the devices (e. g. from a PLC) who can communicate with the devices or the PC from the partner device. When using the connection type CONNECT this step is optional.  
interface:   
**IP settings**  
IP configuration: ☐ DHCP  
☒ manually  
DHCP server: ☒ enable  
IP address:   
subnet mask:   
**devices**  
IP addresses: +   
IP address ranges: +  -

partner configuration:

**partner configuration**  
In the last step you can specify to which of your other devices the current device should establish a connection automatically. A connection can also be established if necessary via the page "overview".  
connection: ☒ establish automatically  
number:   
password:

Explanation of parameters:

device name:	Device name (max. 15 characters)
device number:	Device number (1-65535) for assigning the connection <b>(no double device numbers allowed, please note !)</b>
router interface:	Interface of the CONNECT to the Internet router (depending on the Internet configuration, only sensible possible interfaces are displayed )
PC interface:	Interface of the CONNECT to the internet-compatible PC

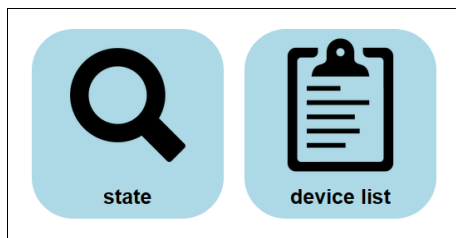
### Web interface (after first configuration):

Open the CONNECT web interface by clicking "<http://192.168.1.1>" in your browser with an active WIFI-connection. Or connect your PC to the in the first-configuration specified PC-interface using a LAN-cable and enter "CONNECT" in the address-line of the browser.

Click on the 3 stripes in the top left to open the device menu :

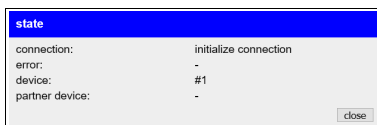
- Overview
- State
- Configuration
- Firmware update

Menu overview (overview of the device) :



The menu is divided into status and device list. Clicking on the respective area opens a corresponding window. All other menus are shown in this menu frame .

The status display shows parameters of the connection, error messages and information about the connected devices :



The Device list menu shows all devices available in your cloud. You can also establish and end connections to the other devices.

The status menu shows information about the IP / MAC addresses of the connection and information about the device:

system

device type: CONNECT LTE  
firmware version: 1.00  
serial number: -  
customer ID: 815

device

name: -  
number: 1

interfaces

connection type: none

LTE interface

IMEI number: -  
ICCID number: -  
SIM state: -  
network state: -  
network operator: -  
network type: -  
signal: -  
IP state: -  
MAC address: -

LAN-A interface

state: not connected  
MAC address: c4:93:00:0b:0c:78

LAN-B interface

state: not connected  
MAC address: c4:93:00:0b:0c:79

WLAN interface

state: connected  
MAC address: c4:93:00:0b:0c:77  
BSSID: -  
SSID: CONNECT WiFi  
channel: 1  
signal: -  
IP address: 192.168.1.1  
subnet mask: 255.255.255.0  
gateway: -  
DNS server: -

USB-LAN interface

state: connected  
MAC address: 00:0e:c8:b2:ed:2f  
IP address: 192.168.0.1  
subnet mask: 255.255.255.0  
gateway: -  
DNS server: -

In the Configuration menu, the expert configuration will be carried out differently from the quick commissioning of the device. For example, you can set the DHCP mode, set IP addresses, and carry out the basic configuration of the device again.

system

device family: CONNECT

device type:

☐ CONNECT
☒ CONNECT LTE

serial number:

customer number:

server address:

server port:

access protection

current config password:

config password

change password: ☐ change password

new password:

repeat new password:

general

restart:

default settings:

factory default:

support request:

device

name:

number:

password:

partner device

connection: ☐ establish automatically

number:

password:

interfaces

☒ none
☐ CONNECT
☐ GATEWAY
☐ LTE

connection type:

LTE settings

PIN code:

access point (APN):

LAN-A settings

MAC address: c4:93:00:0b:0c:78

DHCP mode:

IP address:

subnet mask:

gateway:

DNS server:

LAN-B settings

MAC address: c4:93:00:0b:0c:79

DHCP mode:

IP address:

subnet mask:

gateway:

DNS server:

WLAN settings

deactivate WLAN: ☐ deactivate WLAN

MAC address: c4:93:00:0b:0c:77

DHCP mode:

IP address:

subnet mask:

gateway:

DNS server:

search:

mode:

SSID:

security type:

password:

hide SSID: ☐ hide SSID

channel:

USB-LAN settings

MAC address: 00:0e:c6:b2:ed:2f

DHCP mode:

IP address:

subnet mask:

gateway:

DNS server:

In the Firmware Update menu, the firmware of the CONNECT-device is updated.

firmware update

device version: 1.00

firmware file:  Keine Datei ausgewählt.

To do this, download the current firmware file to your PC from the product page. With Browse you select this file and accept it. The file name is displayed in the user interface for checking. By clicking Update firmware, the firmware file is loaded into the device and burned to the flash memory after a positive check. The device then restarts.

You can find more about the product and the current device manual on the product page of the CONNECT-device.

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