

Operation Quick Start Guide V1.0 for

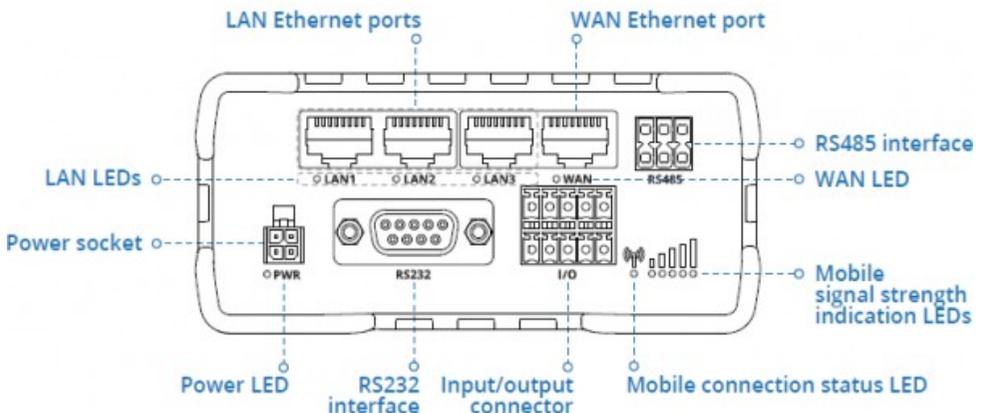
S5/S7-TimeServer - EUROPE S5/S7-TimeServer - WORLD



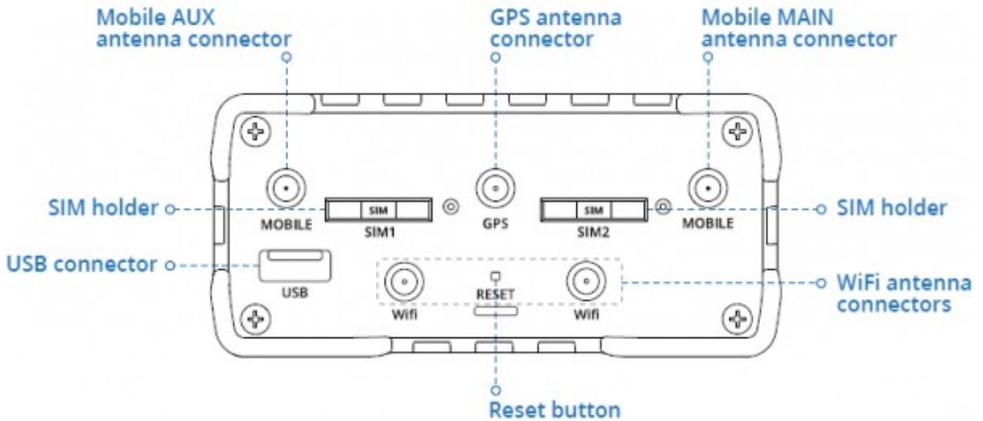
This page contains the **brief instructions** for the **S5/S7-TimeServer-devices**. Here you will find an overview of the various components on the front and back, basic hardware installation, initial login information, device specifications and general safety instructions. It is highly recommended that you familiarize yourself with the quick start guide before using the device. If you have a CONNECT-CONTROL-device, you will also find a printed version of the quick start guide in the device packaging or online on the device's product page. The only difference between the devices is the used built-in LTE modem. The Europe variant can only be used in Europe, the World variant anywhere in the world.

Connections:

Frontside:

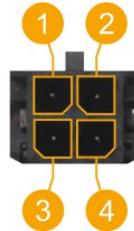


Backside:



Power connector:

No	Description	Wire-color
1	+9 – 30V DC	Red
2	0V	Black
3	E/A	Green
4	E/A	White

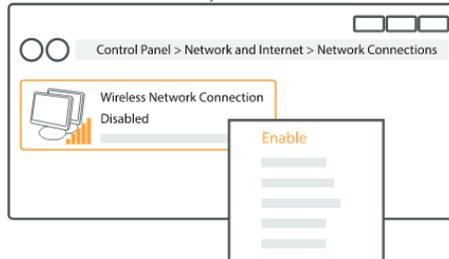


Hardware-installation

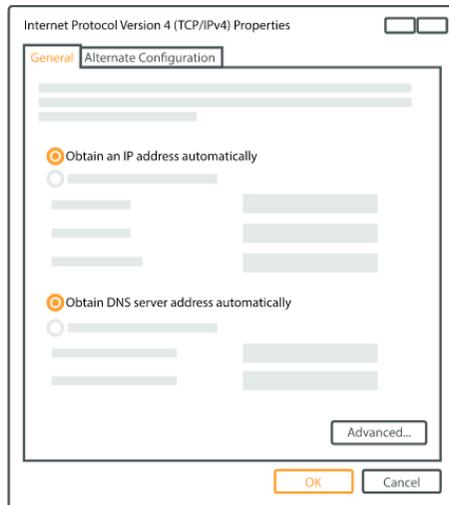
- 1.) Attach WiFi and GPS antennas (WLAN antenna only if access is to take place via WLAN)
- 2.) Connect the power adapter to the power socket located on the front panel of the device. Then plug the other end of the power adapter into a power outlet.
- 3.) Connect to the CONNECT-CONTROL-device wirelessly or use an Ethernet cable.
The associated WIFI SSID and password are located on the underside of the device.

Computer-configuration (Windows):

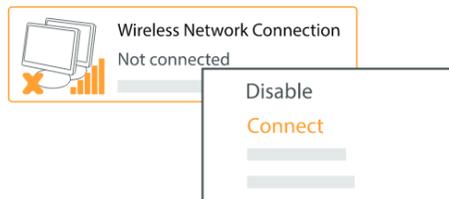
- 1.) Enable the wireless network connection (go to **Start** → **Control Panel** → **Network and Internet** → **Network and Sharing Center**. In the left panel click the **Change adapter settings** link. Right click on **Wireless Network Connection** and select **Enable**).



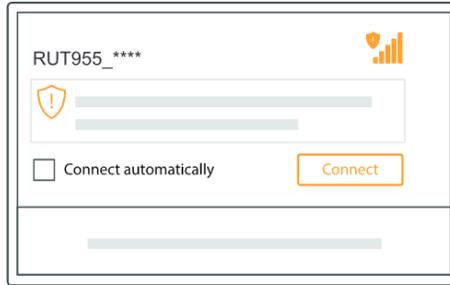
- 2.) Setup wireless network adapter on your computer (right click on **Wireless Network Connection** and select **Properties**. After that select **Internet Protocol Version 4 (TCP/IP)** and click **Properties**).
- 3.) Select **Obtain IP address** and **Obtain DNS server address automatically** if they are not selected. Click **OK**.



- 4.) Right click on **Wireless Network Connection** and select **Connect** to see available wireless networks.



- 5.) Choose the wireless network **RUT955_****** from the list and click **Connect**. Enter the WiFi password located on the device's label



RUT955_****

Connect automatically Connect

Commissioning:

- Connect laptop to this WiFi network or LAN-cable in one of the 3 LAN-port and open with browser webserver with IP: <http://192.168.1.1>

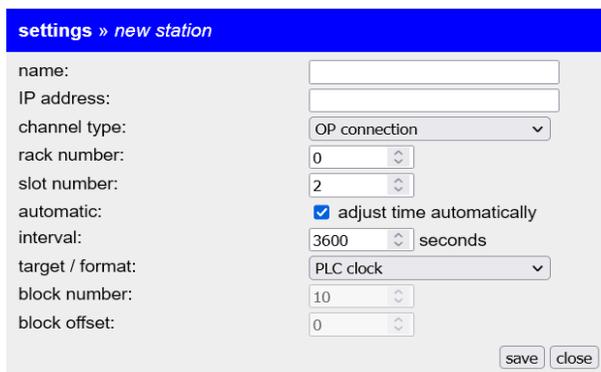


The navigation is done by clicking on the navigation-symbol ().

The WLAN parameters and the IP address of the S5 / S7 TimeServer can be adjusted in the configuration menu. The integrated NTP server for network devices can also be switched on and off.

Create a PLC station to set the time:

Click on the navigation symbol in the web interface and then on "Station". In the menu that is now open, you can see the stations that have already been created and you can add more by clicking on "Add station".



settings > new station

name:

IP address:

channel type: OP connection ▾

rack number: 0 ▾

slot number: 2 ▾

automatic: adjust time automatically

interval: 3600 ▾ seconds

target / format: PLC clock ▾

block number: 10 ▾

block offset: 0 ▾

save close

Parameter:

name:	Name of this connection
IP address:	IP address of S7-PLC (or S7-LAN-module or S5-LAN++)
channel-type:	OP-, PG-, or unspecific connection (depending on which connection is free in the HW-Config of an S7-PLC)
rack number:	Rack number of S7-PLC (usually 0)
slot number:	Slot number of CPU-assembly, usually slot 2 (for S7-400 with wide power-supply slot 3)
automatic:	If activated, the time is updated according to the interval-information in the PLC
interval:	Time-interval in which the time is automatically updated when automatic is selected
target / format:	PLC-clock: write the time directly to the PLC (only S7-300/400) DB S7 Date_and_Time: time in DB in Date_and_Time-format DB S7 LDT: S7-1500: time in DB in LDT-format DB S7 DTL: S7-1x00: time in DB in DTL-format DB binary: time in DB, binary Year: word Month: byte [1...12] Day: byte [1...31] Weekday: byte [0...6] Hour: byte [0...23] Minute: byte [0...59] Second: byte [0...59] Sommer time: byte [0...1] Updated: byte [0...1] DB ASCII: time in DB, ASCII Year: 4 Char Month: 2 Char Day: 2 Char Hour: 2 Char Minute: 2 Char Second: 2 Char Sommer time: Byte [0...1] Updated: Byte [0...1]
block number:	for DB-parameter number of data-block
block offset:	for DB-parameter offset of time-information

With „save“ the entry is accepted and the entry is completed , with „close“ without saving the window closed.

In the overview you can see the defined stations:

stopping of time-connection
configuration of connection
delete of connection
show diagnosis
set time manually

Stations with a light gray background are stopped, no time is updated here:

More about this product can be found in the download area on the 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
- + Time
- + S5/S7-TimeServer

QR-Code Website:



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

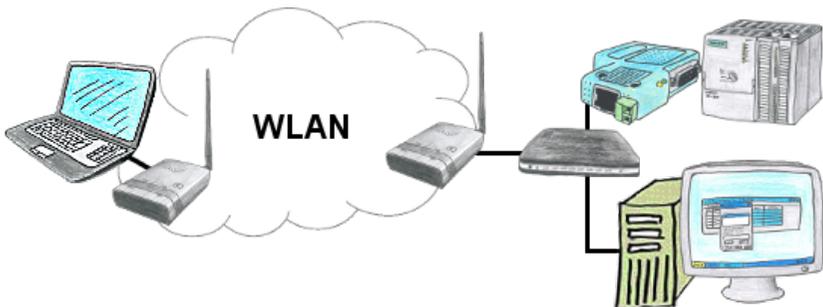
Universally on machine and PLC



Remote access to all your systems, PLCs without great effort. Even triggering of actions by setting the integrated digital-outputs or reading in the digital and analog-inputs is possible via the Internet connection.

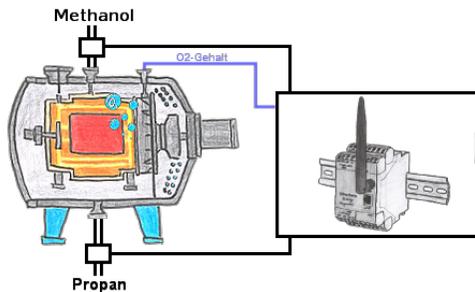
Regardless of whether you use your PC with the CONNECT-software or have connected a device from the CONNECT-family. Couplings via LTE also enable access to the LAN-interface on the system side. No special SIM-card is required for this. A solution with little effort and everything within your "private" cloud.

No direct connected LAN-client required



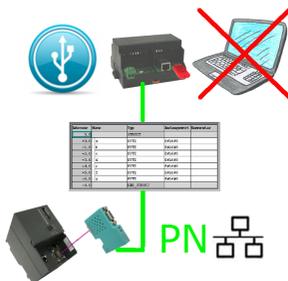
You have some LAN-clients and want to communicate via WLAN with them? No problem, you connect ALF to a switch and you are able to communicate with all this clients. You dont need a direct connect client.

Take over control-tasks



Capture with the Ethersens-device not only your process-values, you would be able to do control-tasks with the device.

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