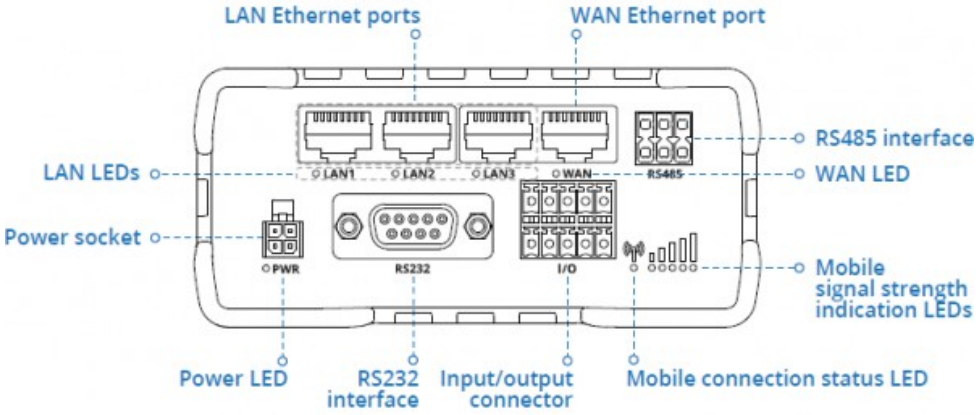
# Operation Quick Start Guide V1.0 for

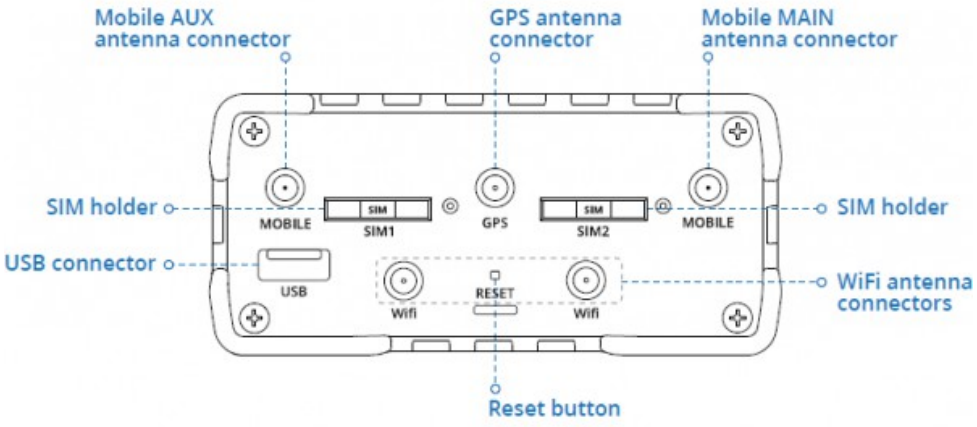
# S5/S7-TimeServer - EUROPE
# S5/S7-TimeServer - WORLD


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:

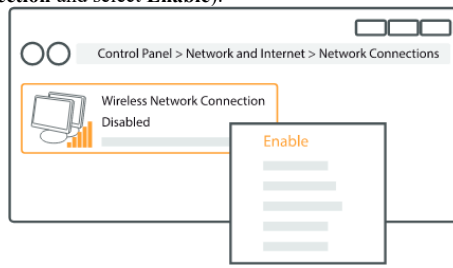
| No | **Description** | **Wire-color** |
|---|---|---|
| 1 | +9 – 30V DC | Red |
| 2 | 0V | Black |
| 3 | E/A | Green |
| 4 | E/A | White |


Hardware-installation

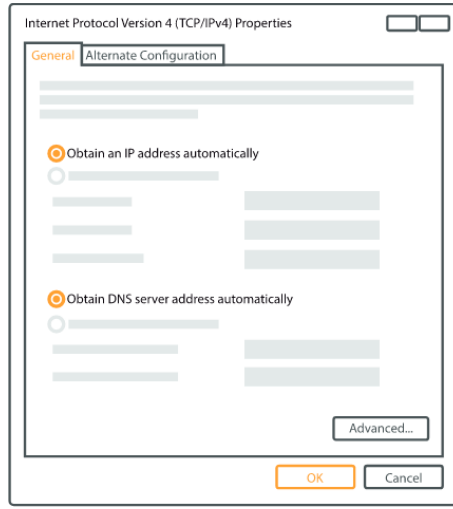
1.) Attach WiFi and GPS antennas (WLAN antenna only if access is to take place via WLAN )
2.) Connect the power adapter to the power socket located on the front panel of the device. Then plug the other end of the power adapter into a power outlet.
3.) Connect to the CONNECT-CONTROL-device wirelessly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

Computer-configuration (Windows):

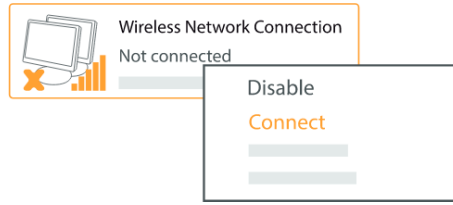
1.) Enable the wireless network connection (go to **Start → Control Panel → Network and Internet → Network and Sharing Center**. In the left panel click the **Change adapter settings** link. Right click on **Wireless Network Connection** and select **Enable**).



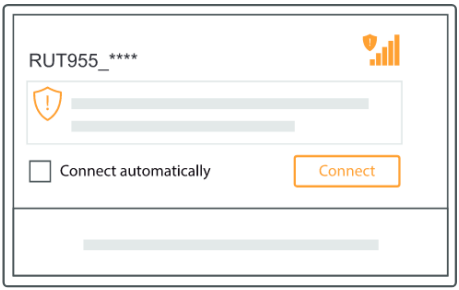

2.) Setup wireless network adapter on your computer (right click on **Wireless Network Connection** and select **Properties**. After that select **Internet Protocol Version 4 (TCP/IP)** and click **Properties**).
3.) Select **Obtain IP address** and **Obtain DNS server address automatically** if they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




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

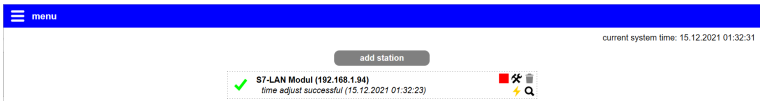


5.) Choose the wireless network **RUT955_****** from the list and click **Connect**. Enter the WiFi password located on the device's label




**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

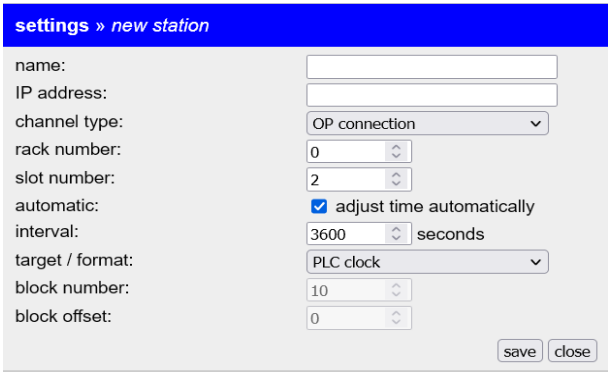



The navigation is done by clicking on the navigation-symbol ( ).

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".

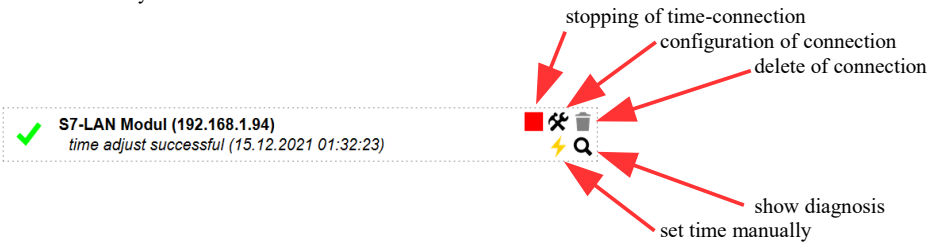


Parameter:

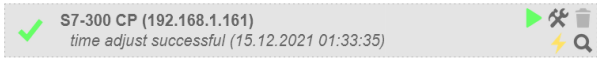
| | | | |
|---|---|---|---|
| name: | Name of this connection | | |
| IP address: | IP address of S7-PLC (or S7-LAN-module or S5-LAN++) | | |
| chanel-type: | OP-, PG-, or unspecific connection (depending on which connection is free in the HW-Config of an S7-PLC ) | | |
| rack number: | Rack number of 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:




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.

https://www.tpa-partner.de



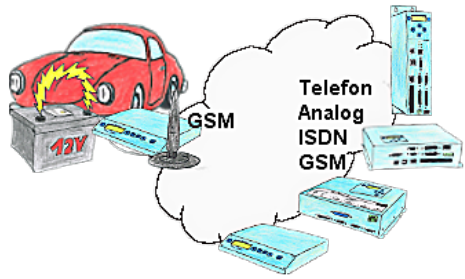
**Menutree Website:**

+ Products / docu / downloads
  + Hardware
    + Time
      + S5/S7-TimeServer

**QR-Code Website:**

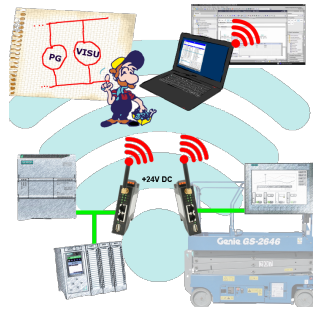
Please make sure to update your drivers before using our products.

Use in the car with a 12V supply only




Your're on road with your car and your employee reports a failure? What next? Approach the next parking place and try to get a telephone line to solve the problem? Or solve the problem in your head? Hit the next parking place and start your Tele-Book which is plugged on your car's cigarette lighter, and build-up a connection to your installation. With the notebook you will solve the problem within a short time.

## Profinet WLAN panel connection

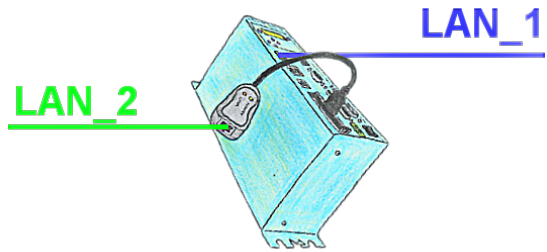



Simply connect your panel to your Profibus via WLAN.
Mobile workplaces are optimally connected.
You will be able to link additional applications such as PDs, visualizations or ERP systems at the same time.

## S7-PLC over LAN

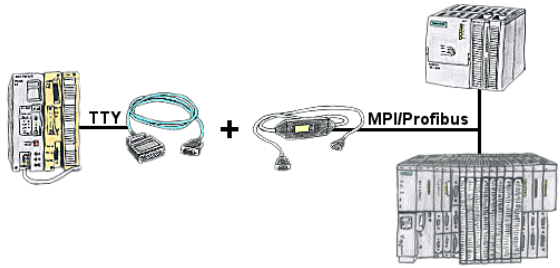

Communication with S7-PLC via Ethernet, just how and with what?
Data-communication with S7-PLC from PC or other devices via network, which interface is required. Questions you don't have to worry about. With "S7 over LAN" you get the right interface-products for PPI, MPI and Profibus.
Which one you use then is up to you.

## Separate your machine-net from the office-net




You need a separation between the machine-net and the office-net? No problem, plug a PCMCIA-LAN-card in your Tele-Prof-II-device (only for version -H) and the separation is OK. You have access to both nets via remote maintenance.

## Coupling of S5-PLC with S7-PLC via PD-interfaces




S5 in the machine-park, conversion to S7 not profitable, central-control still requires production-data, who does not know this problem.

With "S5anMPI" you connect the S5-PLC with a standard interface-cable with the MPI/PROFIBUS of a S7-PLC. Loading handling-blocks in both PLCs, communication integrated and "S5anMPI" exchanges DB-content on request of the respective PLC. Configuration in the "S5anMPI" which PLC is active, also both PLCs active is possible.

Data-exchange without much effort and the S5-PLC continues in the S7-combination as usual and does not have to be replaced.