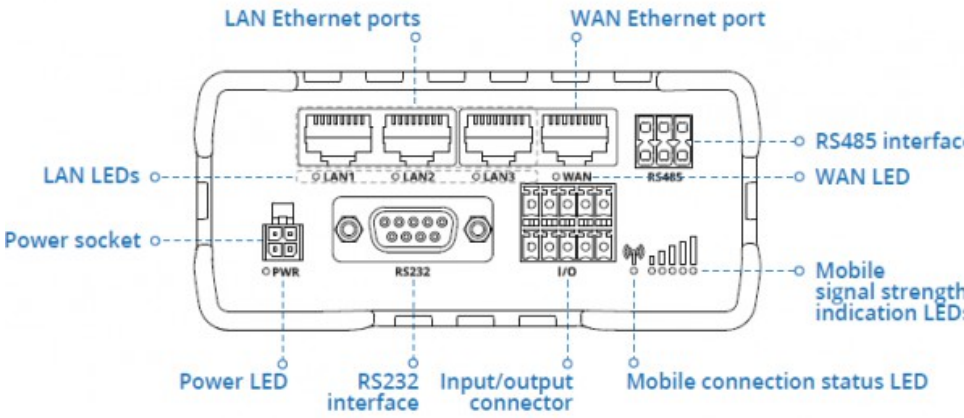
Operation Quick Start Guide V1.0 for

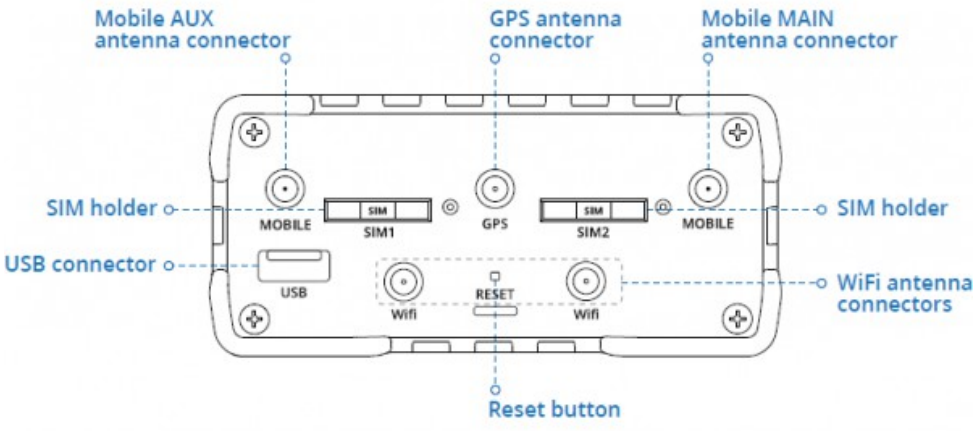
S5/S7-TimeServer - EUROPE
S5/S7-TimeServer - WORLD

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:

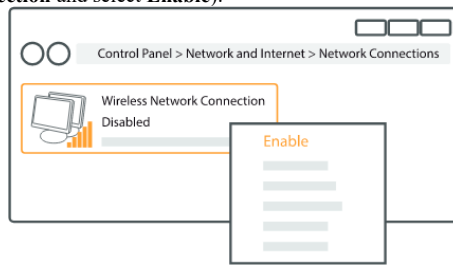
No	**Description**	**Wire-color**
1	+9 – 30V DC	Red
2	0V	Black
3	E/A	Green
4	E/A	White

Hardware-installation

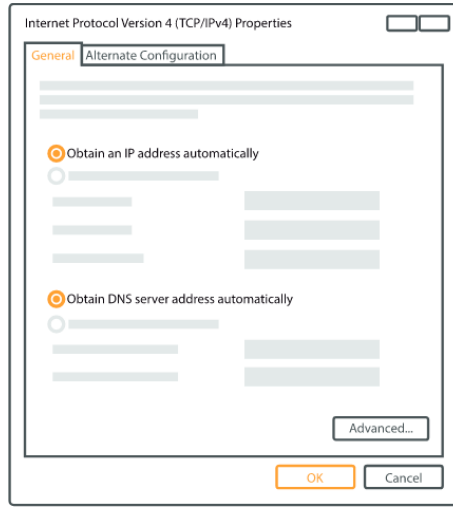
1.) Attach WiFi and GPS antennas (WLAN antenna only if access is to take place via WLAN)
2.) Connect the power adapter to the power socket located on the front panel of the device. Then plug the other end of the power adapter into a power outlet.
3.) Connect to the CONNECT-CONTROL-device wirelessly or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

Computer-configuration (Windows):

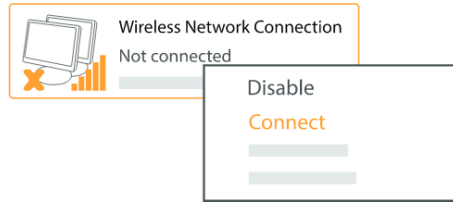
1.) Enable the wireless network connection (go to **Start → Control Panel → Network and Internet → Network and Sharing Center**. In the left panel click the **Change adapter settings** link. Right click on **Wireless Network Connection** and select **Enable**).



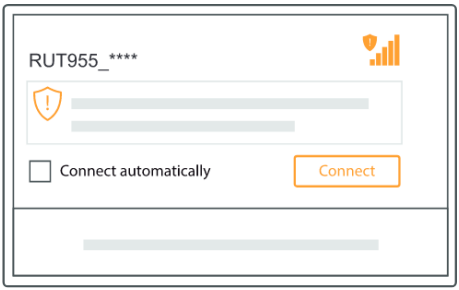
2.) Setup wireless network adapter on your computer (right click on **Wireless Network Connection** and select **Properties**. After that select **Internet Protocol Version 4 (TCP/IP)** and click **Properties**).
3.) Select **Obtain IP address** and **Obtain DNS server address automatically** if they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



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

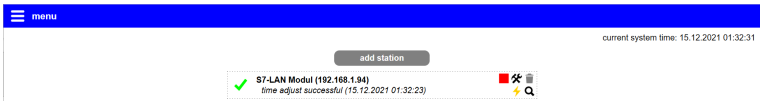


5.) Choose the wireless network **RUT955_****** from the list and click **Connect**. Enter the WiFi password located on the device's label



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

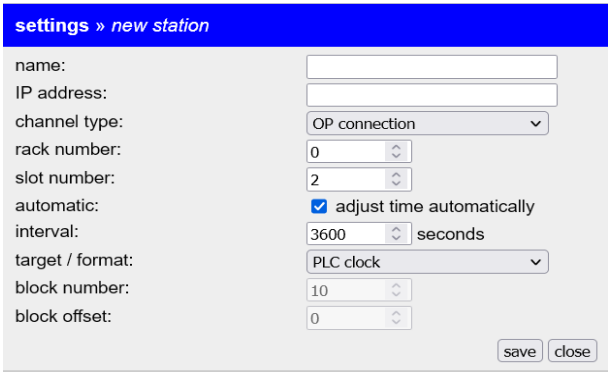


The navigation is done by clicking on the navigation-symbol ( ).

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".

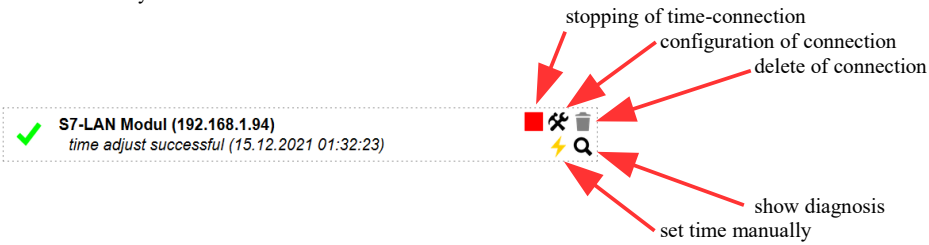


Parameter:

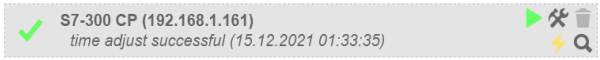
name:	Name of this connection		
IP address:	IP address of S7-PLC (or S7-LAN-module or S5-LAN++)		
chanel-type:	OP-, PG-, or unspecific connection (depending on which connection is free in the HW-Config of an S7-PLC)		
rack number:	Rack number of S7-PLC (usually 0)		
slot number:	Slot number of CPU-assembly, 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

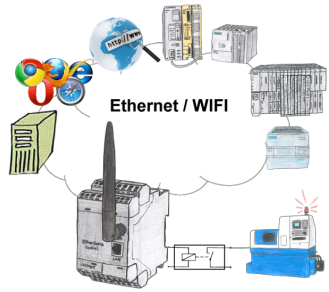
Menutree Website:

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

QR-Code Website:

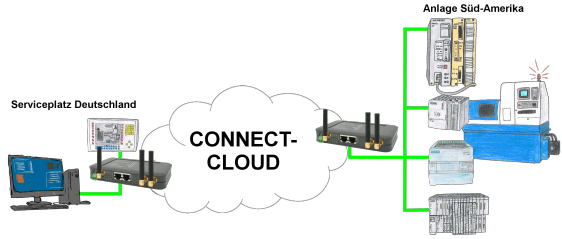
Please make sure to update your drivers before using our products.

Relaycontacts 230VAC/16A directly over WIFI/LAN



Switch with the EtherSens Control with relay-output easily and directly over LAN or WIFI up to 230VAC/16A, switchable over web-browser, TCP/IP-protocol or PLC-controlled. At the same time you monitor the switching-states on the optional SD-card or on the FTP server.

Worldwide remote-access thanks to our own cloud



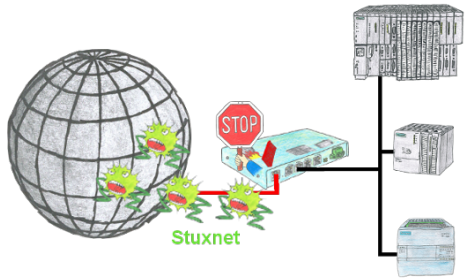
Worldwide remote-maintenance without additional costs thanks to our own cloud

Your devices connect to your own cloud, no matter where they are in the world. Only your devices are in your own private cloud, no one else has access to the cloud. In addition, you can provide each device with its own connection-password, so that the individual systems are protected despite the private cloud.

No registration on any portals, no hidden additional costs, your devices in your own cloud are always accessible.

This is how remote maintenance/remote access is fun.

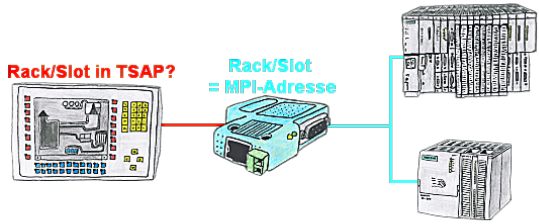
Protection againt virus attacks



Protection of your systems against virus-attacks such as "Stuxnet"

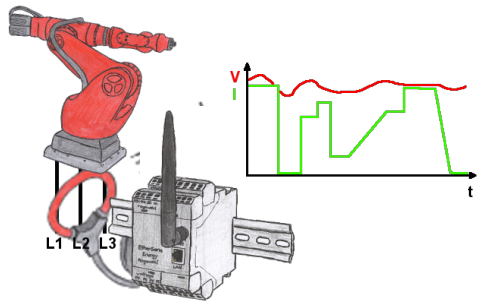
Switch the S7-Firewall or TeleRouter with the S7-firewall-option between the PLC(s)/machine-network and the company-network to prevent your system- and process-data from being destroyed.

Transformation of Rack/Slot in TSAP to MPI-address



Your panel or visualisationsystem addresses the used PLC with Rack/Slot in TSAP? No problem, activate this mode in the S7-LAN and you will get actual data from the PLC.

Detect unnecessary idling



Detect the efficiency of your plant/machine by EtherSens-Energy-devices. Log the preset parameters and evaluate them then later. Find so unnecessary idle-times and increase so the efficiency.