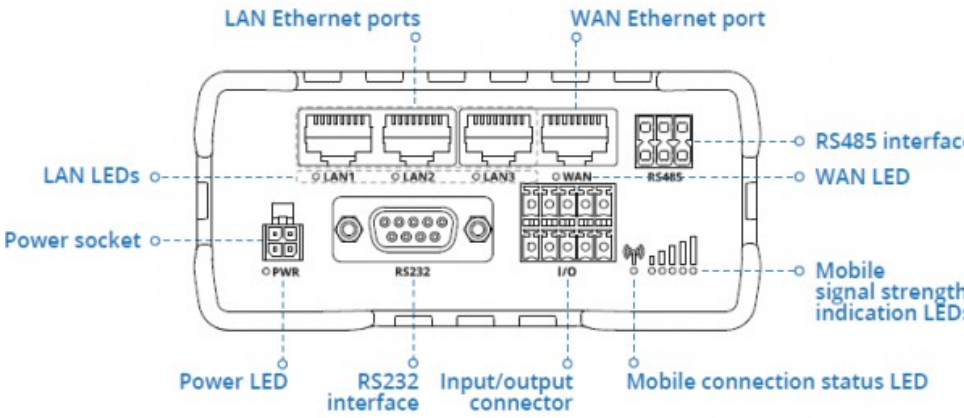
Operation Quick Start Guide V1.0 for

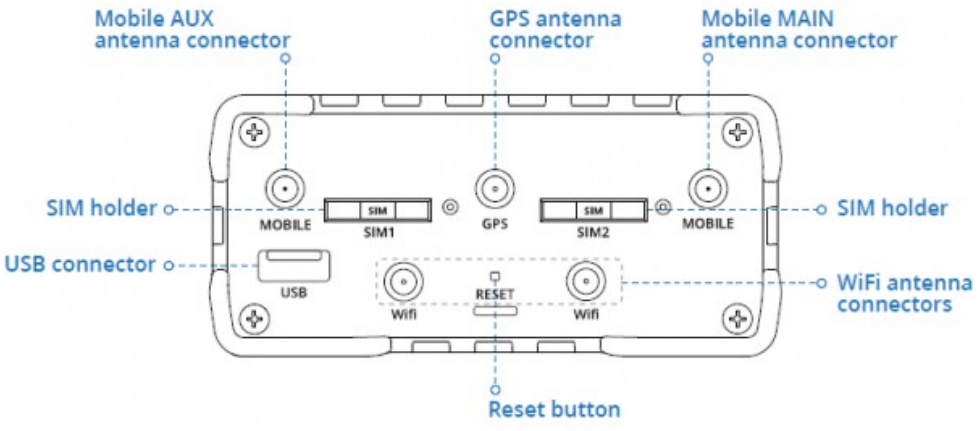
S5/S7-TimeServer - EUROPE
S5/S7-TimeServer - WORLD

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:

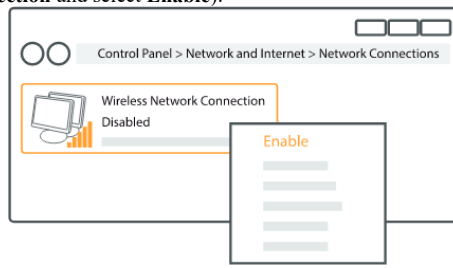
No	**Description**	**Wire-color**
1	+9 – 30V DC	Red
2	0V	Black
3	E/A	Green
4	E/A	White

Hardware-installation

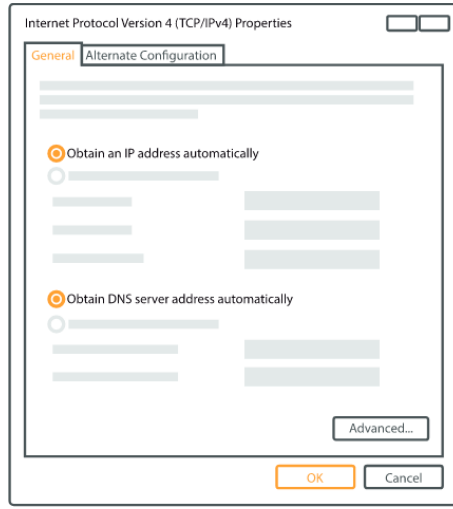
1.) Attach WiFi and GPS antennas (WLAN antenna only if access is to take place via WLAN)
2.) Connect the power adapter to the power socket located on the front panel of the device. Then plug the other end of the power adapter into a power outlet.
3.) Connect to the CONNECT-CONTROL-device wirelessly or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

Computer-configuration (Windows):

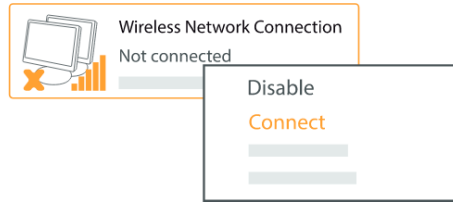
1.) Enable the wireless network connection (go to **Start → Control Panel → Network and Internet → Network and Sharing Center**. In the left panel click the **Change adapter settings** link. Right click on **Wireless Network Connection** and select **Enable**).



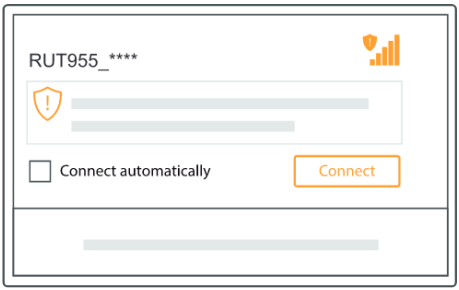
2.) Setup wireless network adapter on your computer (right click on **Wireless Network Connection** and select **Properties**. After that select **Internet Protocol Version 4 (TCP/IP)** and click **Properties**).
3.) Select **Obtain IP address** and **Obtain DNS server address automatically** if they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



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

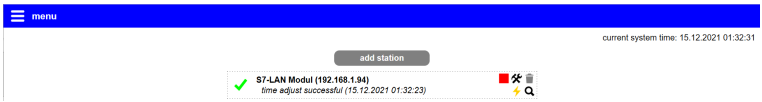


5.) Choose the wireless network **RUT955_****** from the list and click **Connect**. Enter the WiFi password located on the device's label



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

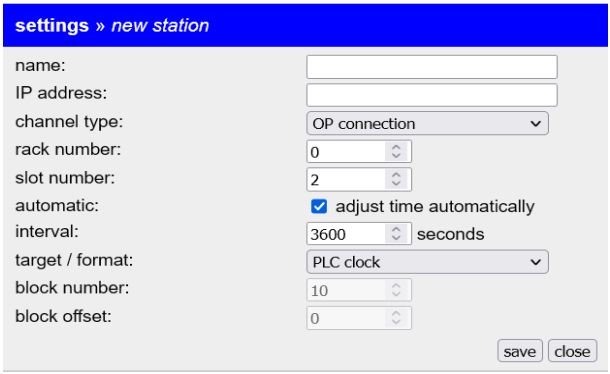


The navigation is done by clicking on the navigation-symbol ( ).

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".

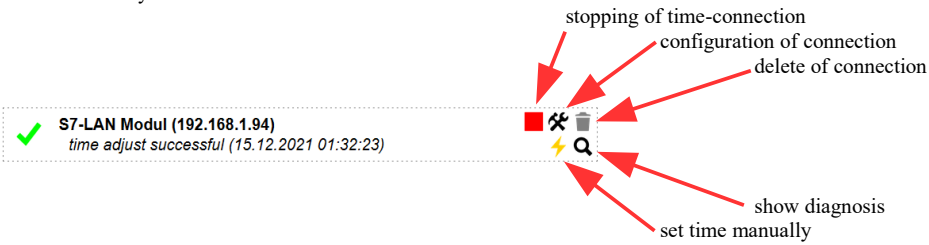


Parameter:

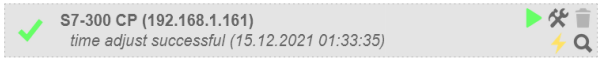
name:	Name of this connection		
IP address:	IP address of S7-PLC (or S7-LAN-module or S5-LAN++)		
chanel-type:	OP-, PG-, or unspecific connection (depending on which connection is free in the HW-Config of an S7-PLC)		
rack number:	Rack number of S7-PLC (usually 0)		
slot number:	Slot number of CPU-assembly,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

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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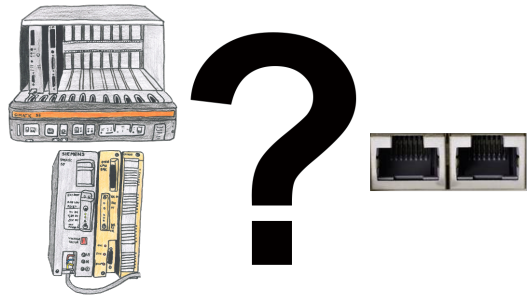
Menutree Website:

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

QR-Code Website:

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

Turbo-LAN-interface for the S5

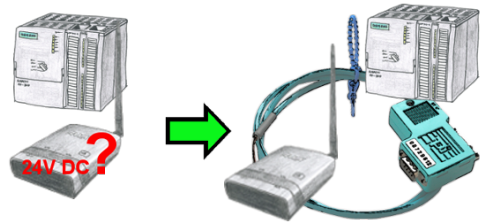


S5-115U/135U/150U/155U and need further processing of data via network and PG interface too slow?

Plug the "S5-TCPIP 100" interface-card into a free slot in the rack, integrate the card into the S5 and nothing stands in the way of communication. Access the controller-data "parallel" to the PG-interface with "Power", regardless of whether it is "TCP/IP" or "ISO on TCP (RFC1006)", "ISO (H1)", "Modbus on TCP" or "SPS header", the interface-card reacts to the various protocols according to your configuration and returns the required data.

With the integrated 4-way-switch, several LAN-participants can be connected to the card and thus to the controller.

24V-supply from the PLC



You want to install your ALF directly in the switch-board and would like to use the 24V of the existing S7-PLC? No problem, connect the open ended side of the Kabelbrücke to the 24V port on your ALF and the bus-side on the MPI- or Profibus of this PLC. Even the ALF is supplied above this PLC.

Detect and alarm Profinet burglary

Detection and logging of unauthorized access in the defined Profinet
Attempted break-ins and access to the network are recognized immediately and e.g. reported by email
Logging of all accesses in the network for historical processing
Possible data-storage USB-stick or FTP-server via USB-network-stick.

Remote-maintenance Siemens-S7-PLC with MPI/Profibus with firewall

Remote-maintenance of a Siemens-S7-controller with S7-LAN on MPI/Profibus via secure VPN-tunnel and scalable firewall