Operation Quick Start Guide V1.0 for

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

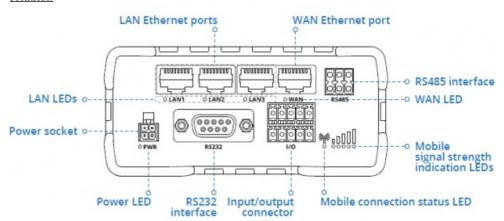


This page contains the **brief instructions** for the **S5/S7-TimeServer-devices**. Here you will find an overview of the various components on the front and back, basic hardware installation, initial login information, device specifications and general safety instructions. It is highly recommended that 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

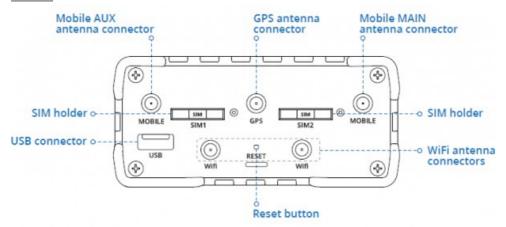
The only difference between the devices is the used built-in LTE modem. The Europe variant can only be used in Europe, the World variant anywhere in the world.

Connections:

Frontside:



Backside:



Power connector:

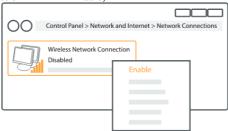
No	Description	Wire-color	
1	+9 – 30V DC	Red	
2	0V	Black	
3	E/A	Green	
4	E/A	White	3 4
			3 4

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).
- 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 (\equiv).

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 v			
rack number:	0 🗘			
slot number:	2 🗘			
automatic:	✓ adjust time automatically			
interval:	3600 \$\hat{\circ}\$ seconds			
target / format:	PLC clock v			
block number:	10 🗘			
block offset:	0 🗘			
	save			

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: bvte [0...1] Updated: byte [0...1]

DB ASCII: time in DB, ASCII

Year: 4 Char Month: 2 Char 2 Char Dav: 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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 - + Time
 - + S5/S7-TimeServer

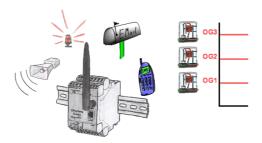






Please make sure to update your drivers before using our products.

Alarming



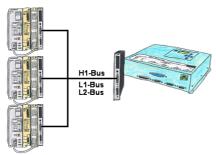
Dont log with EtherSens-device only the process-values, also monitor them simultaneously. Once a predetermined threshold is exceeded/not reached, the EtherSens-device indicates this.

Serial communication with S5-PLC (CPU-assemblies 15pin)



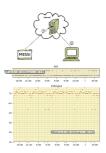
S5-PLC communication from PC with serial COM-port and your programming package? PG-Com-cable up to a length of 15m are the appropriate interface-product. Without special accessories, without external supply, plugged on PC and S5 PLC and work immediately. Connection with original Siemens-sliding-locking to S5-PLC, with screw-bolts on the PC. Function with S5-90U to S5-155U. Connection PLC-side 15pin, PC 9pin (adaptation to 25pin at any time possible).

Programming of S5-PLC above H1-, L1- or L2-Bus



You have an existing L1-, L2- or H1-bus on the customer side and have to program parallel the PLCs? No problem, just connect the communication processor (CP) with a monkey swing to the PLC, the Tele-Network-device with the TELE-CP-cable to a free CP and select the needed PLC with PG-path selection. Herefore the L1-, L2- or H1-option is needed.

Data logging



Cyclic data logging or data logging on occasion is realisable. The log data will be transmitted e.g. once a day via e-mail.

Special data logger functions can be implemented on request and are not part of the basis functions.