



Weighing technology

FAQs

SIWAREX WP241

How do I adapt the sample project to the number of SIWAREX WP241 used in my project?

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General remarks

The project is designed to control up to eight scales in a configuration with up to eight SIWAREX WP241 and a TP700 Comfort, all connected via Modbus TCP/IP. WinCC Advanced V13 SP1 or V14 is required to open the project.

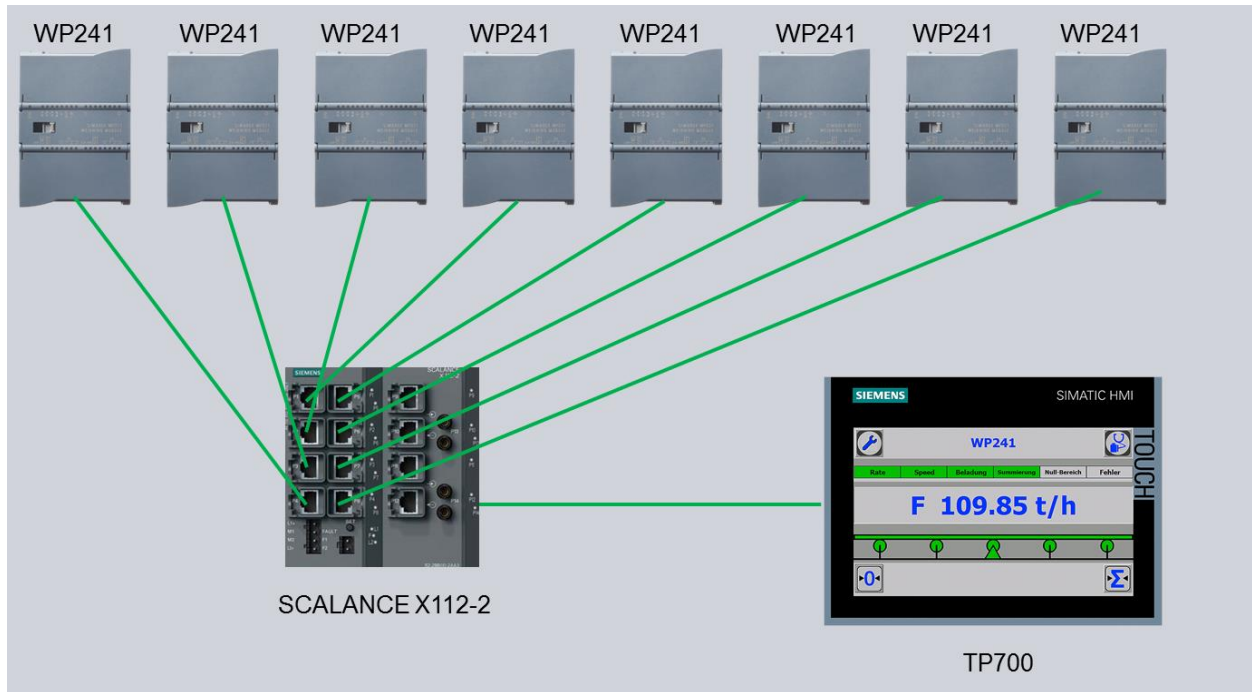


Figure 1: Overview

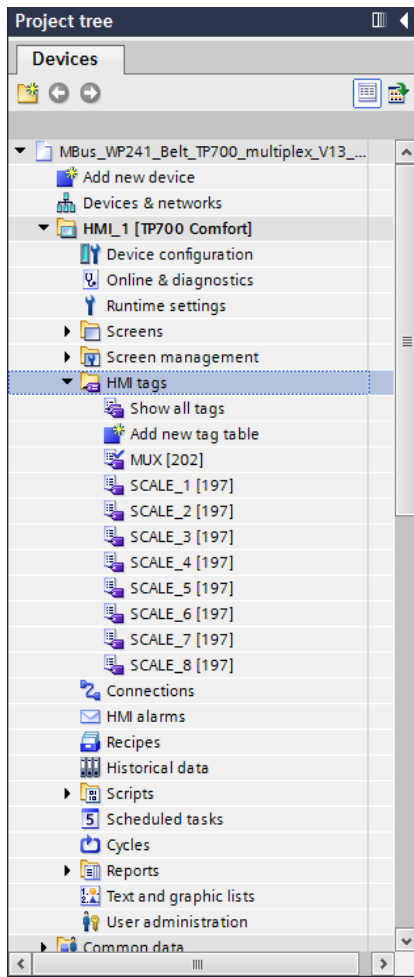


Figure 2: HMI tags

The example project is designed to connect up to eight SIWAREX WP241 to one HMI-Panel TP700 Comfort. The communication between SIWAREX WP241 and HMI-Panel is via Modbus TCP/IP.

The HMI screens are multiplex in order to have sufficient memory space on the panel for eight scales. There is only one set of screens for all scale. The HMI tags are multiplex so that their value is dynamically set depending on the scale selected.

Each scale has its own tag list. The multiplexing is shown in the screen shot below.

„MUX“ is the index tag that is used to address one particular scales, it value varies between 0 and 7.

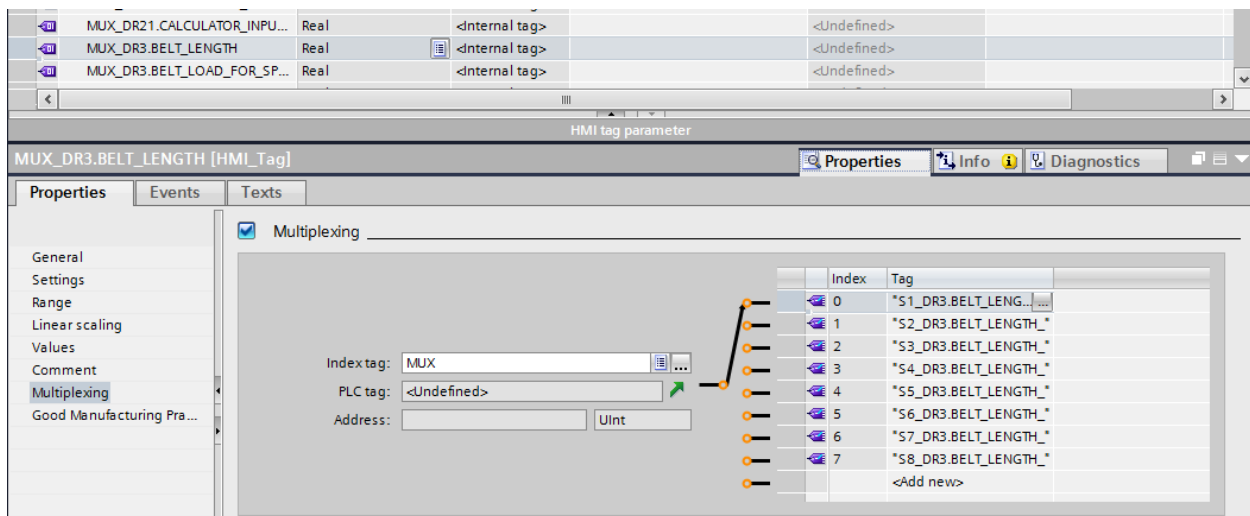


Figure 3: multiplexing of HMI tags

It is necessary to set different IP address for each SIWAREX WP241. The default address for a new SIWAREX WP241 is 192.168.0.21. This address needs to be changed according the list below, this can be done with the Primary Setup Tool (PST).

The current version of PST is available online in Siemens Industry Online Support:

<https://support.industry.siemens.com/cs/ww/en/view/19440762>

Table 1: IP-Addresses of SIWAREX WP241 modules

Scale number	Name of the connection	IP-Address
1	SIWAREX_WP241_S1	192.168.0.21
2	SIWAREX_WP241_S2	192.168.0.22
3	SIWAREX_WP241_S3	192.168.0.23
4	SIWAREX_WP241_S4	192.168.0.24
5	SIWAREX_WP241_S5	192.168.0.25
6	SIWAREX_WP241_S6	192.168.0.26
7	SIWAREX_WP241_S7	192.168.0.27
8	SIWAREX_WP241_S8	192.168.0.28

Change quantity of SIWAREX WP241

It is possible to reduce the amount of weighing module, for this you need to:

Deactivate the modules that are not used

For this remove the connection of the modules not used. Select on the left side the topic “connections” and remove the tick of the modules. For example here the connection of scale eight.

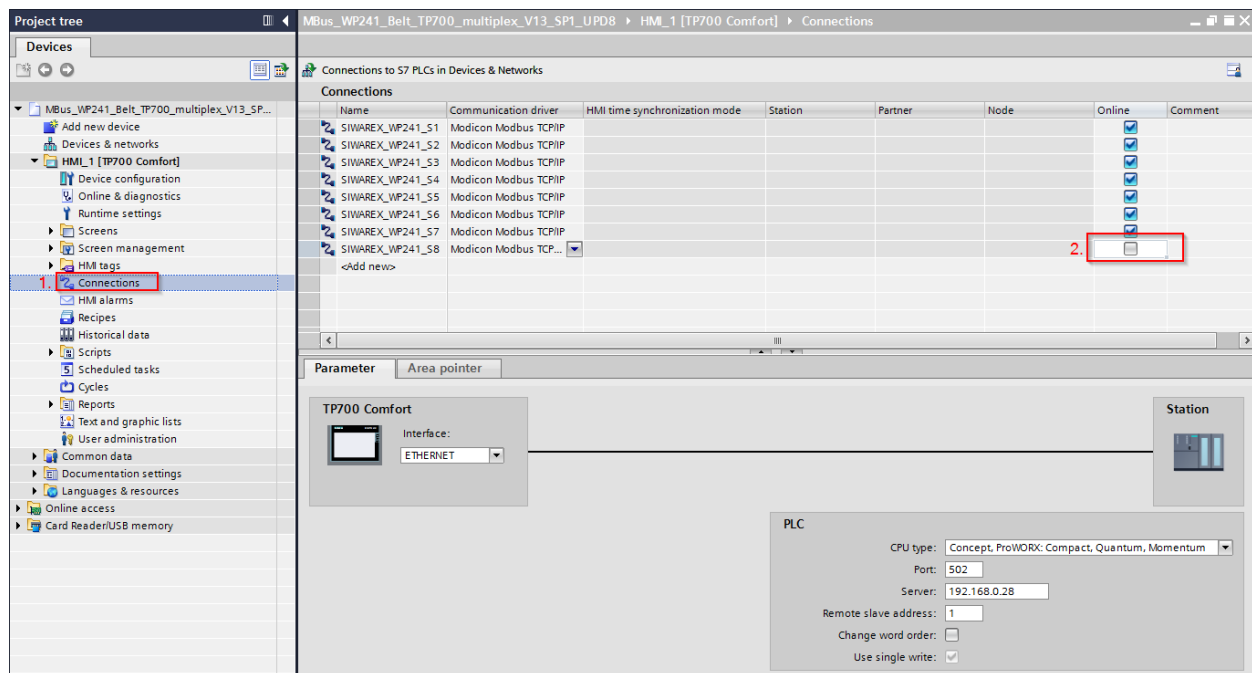


Figure 4: Deactivate connection

Modify the start screen

In the screen “Overview” you need to delete the entries to the scale that are not used.

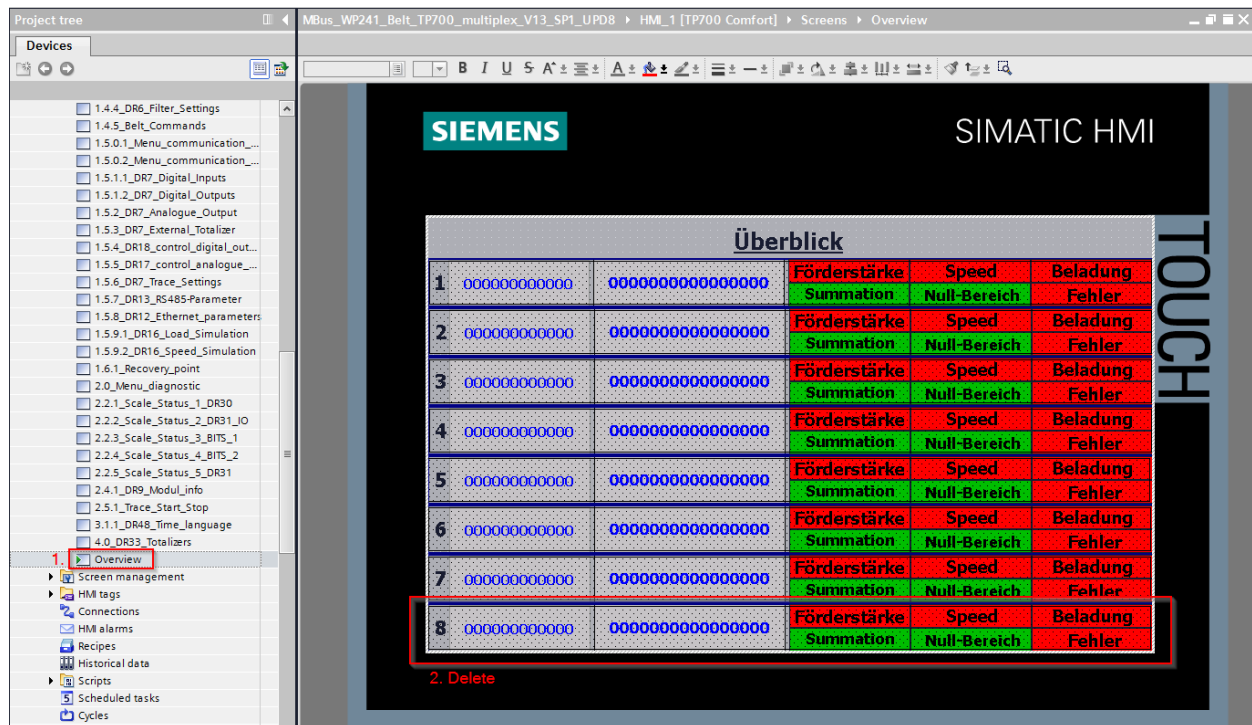


Figure 5: Change Overview screen

Contact

If you have any issues or suggestions regarding the related products or documents, please feel free to contact:

Technical support for SIWAREX:

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