Web-Visualization

Spider PC HMI Editor for Simatic S7-1200/1500

Simply draw Web-HMI for Simatic S7-1200/1500 Web server!

The SpiderControl™ Web-HMI-Editor is now also available for the integrated Web server of the Simatic S7-1200 and 1500! As standard, the new Siemens PLCs have an integrated Web server.

The Spider PC HMI Editor for Simatic S7-1200/1500 offers enormous advantages:

- The engineering effort can be significantly reduced in software development and maintenance
- In addition to extensive SVG symbol graphic libraries, the tool also offers a macro library and several example projects
- Fluid & Responsive designs are easy to build
- This resource-saving solution concept offers high stability and performance
- Projects can be easily compiled and uploaded by the TIA Portal, etc.

Modern HMI: Fluid + Responsive Design, vector graphics

The SpiderControl™ HMI-Editor enables the purely graphic development of modern, graphically demanding HMIs. In addition to extensive SVG symbol graphics, libraries, the tool also offers a macro library as well as various example projects. In particular, the use of SVG vector graphics was previously not possible on the Simatic Web server. However, such scalable graphics are of great importance in particular for the implementation of "fluid" (automatic adaption to the respective display size) and "responsive" designs (automatic adaption to portrait or landscape format).

The same tool on every PLC

SpiderControl™ is available on many PLCs (either directly from iniNet Solutions or as OEM-software from the PLC manufacturer). This makes it possible to use the same HMI-Editor to develop a uniform, platform-independent visualization solution that can be used on a wide range of controllers without major changes.

On top of that, SpiderControl™ also offers a SCADA server. The same HMI can thus also be imported into a supervisory system.

MicroBrowser as an industrial panel

Of course, all SpiderControl™ HMIs can be viewed in any HTML5 Web panel. Numerous manufacturers also offer panels with an integrated SpiderControl™ MicroBrowser. The MicroBrowser consumes only a fraction of the resources of a standard HTML5 browser, making it much faster, more stable, and working on less expensive hardware. This is a decisive cost advantage, especially for serial products, since you get much more performance and quality for less money with MicroBrowser-based devices.

Design flow

The development with SpiderControl™ is very simple: The integrated wizard of the HMI Editor creates a basic project with several pages. Standard HMI objects such as edit fields, scroll down menus, buttons, etc. are placed directly on one page and the symbolic variable name from the TIA project is entered in the adjacent property pane. At the touch of a button, the tool generates all necessary files in a destination directory, which have to be copied to the web server. To do this, enter this directory as the source in the TIA portal under the Web server settings and create the DBs provided for this purpose (default: DB333 and following). Now the project only has to be compiled and uploaded with the TIA portal. Finished!