SpiderControl™ is a brand of **iniNet**

SpiderControl™

Web-Visualization

PLC-platforms

Many PLC manufacturers use SpiderControl™ as a proven OEM product!

SpiderControl™ is a comprehensive framework for the area of web control in automation. The innovative SpiderControl™ tool-chain can be used for programming an HMI from a PLC up to SCADA systems. SpiderControl™ can also be used on all Beckhoff controllers with any OS (CX, C, CP, etc.).

The modular SpiderControl™ system offers enormous advantages:

- The engineering effort can be significantly reduced in software development and maintenance
- The low system costs of SpiderControl™ have a positive effect on the customer´s hardware sales price, which can lead to a competitive edge
- Consistency in configuration: One tool controls everything, from the smallest display up to a SCADA system, etc.

www.spidercontrol.net

SpiderControl™ for Beckhoff

SpiderControl™ can be used on all Beckhoff controllers with any OS (CX, C, CP, etc.). To achieve this, the Spider Web-Server is installed on the PLC. The Spider HMI Editor for Beckhoff, imports variable lists from TwinCAT, the HMI can be designed and transferred directly to the PLC. The PLC can be operated with any HTML5 enabled browser. SpiderControl™ works with TwinCAT 2 and TwinCAT 3.
In addition, the Spider MicroBrowser can be installed on the controller and the PLC can be simultaneously used as a client, such as panels of the CP series or a PLC with DVI connector. For almost every application, there is a perfect fit, high-performance solution!

Spider PC HMI Editor for Beckhoff

The Spider Editor has been specially adapted for the design of HTML5 HMI's on Beckhoff controls. The editor can directly import the variable lists (TPY files) from TwinCAT 2 or 3. The projects can be simulated locally and transferred to the PLC using the integrated FTP client, which allows for an efficient design flow. The tool can also configure the trend and alarm logger integrated in the Spider Web-Server.
SpiderControl™ has extensive HMI macros to display trends, alarm lists and recipes as well as other functions. In addition to the usual graphics formats, SVG graphics are also supported, whose properties can be directly influenced in the editor (rotation, half-transparency, etc.). The tool allows the selection of different graphic styles, which can be used for the objects. Of course, SVG graphics can also be imported directly from common tools, such as Adobe Illustrator, and thus the customers own design can be easily implemented. But even more so: the user can develop his own macro library and thereby significantly increase the productivity of the projects. Macros can be equipped with their own configuration dialogs (which are also drawn with SpiderControl™), so that complex functions can be easily parameterized. The macro does not need to be linked to many individual variables, but can be linked directly to the instance of a specific structure type. In this case, the variable list browser filters out the matching objects and only displays those for selection.
This makes SpiderControl™ highly interesting for users who want to implement similar projects again and again and implement an 'In-House' standard in order to be able to program more quickly and reduce error sources. In this context, it is also important that the HMI developed for a Beckhoff PLC can easily be ported to any other PLC platform or vice versa. If a company develops its own electronics, the same HMI can also be used on this target system by integrating the Spider embedded Web-Server.
In addition, the direct support of the Beckhoff BACnet stack is integrated. For most BACnet objects, there are corresponding HMI objects – alarm lists, calendars, various schedulers / exception lists, as well as trend objects – the variable list browser filters out the appropriate BACnet object instances and finally the configuration is done in one click. It's that easy!

Product overview Web-Server

Product	Description	BAC-net	Web-HMI Editor	OS	SPS	License category
embedded Web-server	Is installed directly on the PLC and allows access to all variables in TwinCAT					
7011,1	Specially optimized for low RAM requirements			WinCE/WEC7	CX8090	ST1
7010,1	Incl. Trend/Alarm Logger			WinCE/WEC7	Alle CX und C	ST1
7010,1	Additionally, with the Web-HMI Editor: HMI can be edited directly from the PLC in the browser		x	WinCE/WEC7	Alle CX und C	ST4
7013,1	Access to TwinCAT + BACnet variables	x		WinCE/WEC7	CX9020	ST3
7015,1	Access to TwinCAT + BACnet variables	x		WinCE/WEC7	CX5020	ST5
7010,5	Additionally, with the Web-HMI Editor: HMI can be edited directly from the PLC in the browser		x	Win7/8/10	X mit X86	ST16
7015,5	Web-HMI Editor + BACnet	x	x	Win7/8/10	X mit X86	ST17
SCADA (Control system)	Access to all local TwinCAT variables (unlimited) as well as external drivers					
7111,5	Up to 3 drivers, max 500 data points (PPO)	x	x	Win7/8/10	X mit X86	ST11
7121,5	Up to 3 drivers, max 2000 data points (PPO)	x	x	Win7/8/10	X mit X86	ST21
7131,5	Up to 3 drivers, unlimited data points (PPO)	x	x	Win7/8/10	X mit X86	ST31
SCADA Server	Drivers					
	HTTP cgi-bin (SpiderControl™), HTTP CODESYS Webvisu V2.x, MODBUS RTU RS232, MODBUS RTU TCP, OPC DA, KW Protocol TCP, Beckhoff ADS (local Access), Beckhoff BACnet w/ADS (local), SQL DataBase via PHP, Virtual Driver for redundant configurations					