

netLINK SCADA

Web Visualization in a connector for S7 300/400 PLCs

- Upgrades a Profibus/MPI capable SIMATIC S7[®] System into a fully featured Visualization and Control System
- Visualizes thanks Web Technique platform-neutral and free of charge with standard Web Browsers
- Imports symbols and variables time efficient directly from a STEP 7[®] project
- Guarantees fast output at minimum effort due to intuitive Point and Click Engineering Tool



Visualizing most flexible and economically over Web Browsers

The Web Visualization in the connector allows to operate and monitor SIMATIC S7[®] controlled applications over the Web. The device links to the PLC with Profibus or MPI. The bus connector is looped through to allow seamless integration and into existing Profibus/MPI installations. The device can be powered from external supply with 24Volts or directly over the S7 PLC connector.

The whole visualization project is stored in the connector without consuming any resources of the PLC and best for retrofit projects. The Web Visualization manages the pages with no need for plugins such as ActiveX[®], Flash[®], Java[®] or Silverlight[™] and can be executed by all leading Web Browsers. Visualizations can be displayed and accessed on any Windows[®]/ Linux PC based system as well as such on tablets and smartphones with browser support. The simultaneous access of multiple browsers at a time is also supported.

Although native Web Technology is being used there is no HTML code programming necessary. Front end creation as well as the dynamizations of the visualizing elements are easily and quickly configured with a few mouse clicks. Color change, movement, scaling, user rights, the support of all common graphic formats and multilingualism are standard. Next to monitoring online data, Alarming with Acknowledgment and Data Trending are supported. For best visual effects a large catalogue of high-quality graphics from the industrial sector is optionally available as library.

Technical Data / Product Overview

Technical Data	Parameter	Value
	Processor	netX 50
	Power Supply	18 ... 30 V / ca. 60 mA @ 24 V
	Supply Connection	Mini-COMBICON 2-pin or DSub-9
	Ethernet Connection	1 x RJ45
	Ethernet	10/100 Base-TX Ethernet
	Profibus / MPI Connection	DSub-9 pinout in acc. with IEC 61158
	Baud Rate	9,6kBaud ... 12 MBaud, automatic detection
	LED Indicators	SYS, COM, ACT, LNK
	Operating Temperature	0 ... 50 °C
	Dimensions (L x W x H)	65 mm x 48 mm x 16 mm
	Weight	approx. 40 g
	Protection Class	IP20
	Mounting	Directly on PLC / On any free bus connector
	EG Conformity	Directive 2004/108/EG
	Real Time Clock	software supported, precision 50ppm
	Real Time Clock buffering	none
Clock Synchronization	Manually / Cyclically over SNTP protocol	
Web Application Memory	3,5 MByte, non-volatile FLASH memory	
Trending Memory	2 Mbyte, volatile RAM memory	

Parameter	Value
PLC Type	SIMATIC S7 300,400 CPUs/CPs with Profibus/MPI connectivity
Profibus / MPI connections	To 32 PLCs simultaneously
SNTP Client	RFC 2030, Port 123, Time synchronization
FTP Server	RFC 959, Port 21
HTTP Server	RFC 2616 HTTP/1.1, Port 80
Supported Browsers	Internet Explorer 8/9/10, Mozilla Firefox 24 Safari 5.1.7, Chrome 31, Opera 16.0, Blackberry 6 oder 10 with min.3 simultaneous active connections
Web Visualization	atvise® webMI by CERTEC
Engineering Tool	atvise builder, Multi-User License, for free
Variables/Data Points	unlimited
Web Memory Consumption	200kByte per page, typically
Standard Functions	Alarm, Trend and User Management
Adaptability	entirely customizable using Java Scripting
Multilingualism	yes, german /english as default language
Trend variables	32 max., sampl. rate 200 msec. to 24 hours
Recording Time	8 Variables @60 secs. rate = 11 days 18Variables @1 hour rate = 300 days

Note: All technical data may be changed without further notice.
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atvise® is a registered trademark of CERTEC GmbH.
Windows® is a registered trademark of Microsoft Cooperation

Overview	Article	Article Number	Article Description
	NL 50N-MPI-ATVISE	1701.431	Web Visualization in a connector for S7 300/400 PLCs
	ATVISE ELEMENTS	1701.432	Vector Graphics Library with over 4000 images of the Industrial Sector
	ATVISE SUPPORT SERVICE	0027.002	Half-day atvise Phone Support / Adaption / Programming / Personal Training @ Hattersheim

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