Software

Software is the key to more efficient automation. Software tools from Phoenix Contact guide you through the entire value added process for your automation solution, from configuration to system operation. All products interact perfectly and impress with their innovative functions and intuitive, user-friendly operation. In addition, a wide range of ready-to-use block libraries is also available.

Programming

Software products for programming, from small to medium-sized applications with small-scale controllers to complex system automation with high-end PLCs.

Visualization

A good visualization software tool provides the basis for efficient automation, in the control room, production, as well as directly on the machine.

Device parameterization

Central and efficient – parameterize your field devices from the comfort of your PC.

Configuration, monitoring, diagnostics

Software tools for fast startup, constant monitoring, and reliable diagnostics.

Drivers and interfaces

Everything you need to connect additional systems to your automation solution.

Planning and configuration

Expert support with the planning and configuration of technical components. So that everything works together perfectly.

Remote control

Flexible solutions for controlling distributed automation units.

System simulation

Startup and testing made easy – in a completely virtual environment.

Marking software

Software tools for efficient marking – even in series production.

Product overview	26
Programming PC Worx and PC Worx Express PC Worx Target for Simulink Function blocks/libraries	28 30 55
Visualization WebVisit Visu+ Visu+ Express	31 32 33
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Configuration, monitoring, diagnostics Config+ Diag+	34 34
Drivers and interfaces OPC server	36
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PLCnext Technology	6

Product overview

Programming



PLCnext Engineer – Engineering software platform

Page 14



PC Worx – Software package for conventional programmable logic controllers

Page 28



PC Worx Target for Simulink – Firmware library

Page 30



Logic+ - Intuitive programming software for quick and easy configuration • See Catalog 5 - relay modules section

Your web code: #1104



SafetyProg – Programming software for PROFIsafe controllers

Page 280



Functional and industry-specific software and drivers

Page 55



Management software for network

Page 342



WebVisit – Development software for web-based visualizations

Page 31



Visu+ - SCADA visualization, development and runtime licenses

Page 32



Visu+ Express – Free development software for HMI visualization

Page 33

Device parameterization



Startup+ – Software for wiring checks on Axioline F I/O stations

i Your web code: #1164



IOL-CONF – Software for parameterizing IO-Link devices

i Your web code: #1164



SAFECONF – Configuration software for PSR-TRISAFE and SafetyBridge modules Page 278

PSR-CONF-WIN – Configuration so

PSR-CONF-WIN – Configuration software for PSR-RSM4 with connecting cable Page 278

Configuration, monitoring, and diagnostics



Config+ - Tool for INTERBUS configuration and diagnostics
Page 34



Diag+ - Diagnostics software for INTERBUS, PROFINET, and Ethernet networks Page 34



Diag+ NetScan – Diagnostics software for cyclic INTERBUS diagnostics

Order No. 2868075

Drivers and interfaces



OPC UA – Communication interface for PC Worx programmable controllers Page 36



AX OPC server – Communication interface for PC Worx programmable controllers Page 37



FL SNMP OPC server – Monitoring/ configuration of SNMP-compatible devices in HMI and SCADA systems

Page 37

Planning and configuration



Project+ – Software for planning the I/O configuration

i Your web code: #1161

Remote control



VL Portico server ... – Remote control of networked IPCs Page 38

Resy+ – Function blocks for extending standard control and I/O components with remote control protocols

System simulation



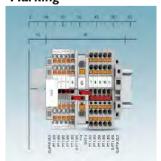
WinMOD AX ... – System software incl. INTERBUS/PROFINET IO simulation software



IB Emulator – Hardware required to simulate INTERBUS configurations with the WinMOD software

Order No. 2988638

Marking



PROJECT complete –
Planning and marking software
• See Catalog 3 – Marking and labeling section

i Your web code: #1093

Page 55

Programming

PC Worx and PC Worx Express

Programming with PC Worx

PC Worx is the consistent programming software tool for conventional programmable logic controllers in accordance with IEC 61131 from Phoenix Contact. PC Worx can be used in all areas of industry.

The software includes all the programming languages defined in IEC 61131-3:

- Instruction List (IL)
- Function Block Diagram (FBD)
- Ladder Diagram (LD)
- Sequential Function Chart (SFC)
- Structured text (ST)

Efficient programming

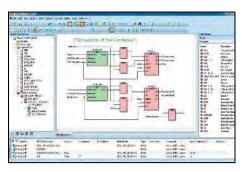
The PC Worx interface can be customized to your individual requirements with clearly arranged workspaces and toolbars. The basic languages of IEC 61131 (LD, FBD, and IL) can be directly and freely cross compiled. Structured text can be converted into any of the three basic languages.

Wizards support and monitor the insertion of data types, function blocks, operator, and variable declarations in all editors. For text editors, another wizard is available for keywords and their command structures.

Startup and maintenance

During controller operation, the following functions round off IEC 61131 programming:

- Cross-references for editing
- Online and offline program comparison by all IEC editors and configuration data
- Startup functions
- Debug functions such as:
 - Logic analysis in real time
 - Breakpoints
 - Address debugging
 - Step-by-step mode
 - Overwriting and forcing of variables



In order to test the program code, there is a powerful simulation tool for all Intel®-compatible controllers. This shortens the startup times of the real system.

All data configured in PC Worx can be reused for visualization purposes in an easy manner. This takes place via standard interfaces such as the AX OPC server or an integrated web server. The OPC and web server variables are selected with a mouse click.

Worldwide use assured

You can switch between numerous languages in the interface. Program comments can be exported and imported for translation. You can therefore save projects together with their comments in various languages.

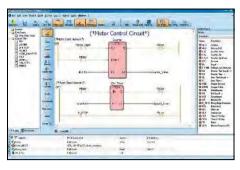
Integrated password handling supports various protection models:

- Securing the project
- Protecting individual program organization units (POUs) against writing or reading – know-how protection
- Blocking of actions, e.g., starting/stopping the controller

I/O configuration

Network structures such as PROFINET, INTERBUS, PROFIBUS, and Modbus/TCP can be configured in PC Worx via an integrated bus configurator. A device catalog displays all components in clear groupings; the components can be transferred to the hardware configuration using drag & drop.

In connection view, the program variables are connected to the inputs and outputs of the network components. The variables are addressed automatically.



Diagnostics

The integrated Diag+ diagnostics tool is used to handle the diagnostics of all system components in the INTERBUS and PROFINET network. This tool enables precise error localization in the entire system.

Preventive diagnostic functions such as monitoring the transmission quality of fiber optic paths in INTERBUS systems increase system availability. Diagnostic data, causes of malfunctions, and solutions are displayed directly in plain text.

Programming environment for small-scale controllers

With PC Worx Express, Phoenix Contact provides you with a free software tool that can be used to easily program class 100, class 1000, and PC Worx SRT conventional programmable logic controllers. This is achieved, for example, thanks to the clearer user interface.

PC Worx Express offers numerous proven functions such as project creation, fast application development, plus easy download, monitoring, and startup of the PLC program. Intelligent automated functions speed up programming. These include the automatic insertion of program instances in the task or simplified variable handling.

PC Worx Express can be downloaded free of charge:

phoenixcontact.net/products

If the application requires the enhanced functions of PC Worx, the project created with PC Worx Express can be opened in the standard programming environment. You can transfer the configured data to PC Worx without any loss of data.



Free software tool for class 100 PLCs



Software package for conventional PLCs

	Technical	data		Technical	data	
Hardware requirements						
Processor	min. 2 GHz, x86 architecture			min. 2 GHz, x86 architecture		
Main memory (RAM)	min. 2 GByte			min. 2 GByte		
Hard disk memory	min. 2 GByte			min. 2 GByte		
Optical drive	DVD-ROM			DVD-ROM		
Operating equipment	Keyboard, mouse		Keyboard, mouse			
Monitor resolution	SXGA (1280 x 1024)			SXGA (1280 x 1024)		
Software requirements	Oxan (1200 x 1024)	3AGA (1200 X 1024)				
Operating system	Windows® 7 Professional SP1 (32-Bi	I/GA Dit)		Windows® 7 Professional SP1 (32-Bi	+/C/ Di+)	
Operating system	Windows® 7 Ultimate SP1 (32-Bit/64			Windows® 7 Ultimate SP1 (32-Bit/64		
	Windows® 8.1 Professional (32-Bit/6-			Windows® 8.1 Professional (32-Bit/6-		
	Windows® 8.1 Enterprise (32-Bit/64-			Windows® 8.1 Enterprise (32-Bit/64-		
	Windows® 10 (32-bit/64-bit), as of Bu			Windows® 10 (32-bit/64-bit), as of Bu		
Supported browsers	Internet Explorer Version 8 or later			Internet Explorer Version 8 or later		
Basic functions	Internet Explorer version of later			Internet Explorer version of later		
Dasic fullctions	Configuring an automation system, p	aramotorizina INTE	DRUG	Planning an automation system, para	motorizina the INT	EDRIIC
	devices, operating INTERBUS, progra			and PROFINET devices, operating IN		
	in acc. with IEC 61131-3, communica			programming an automation system		
	in add. With Ed of 101 o, dominanion	ion in doo. with the	011010	communication in acc. with IEC 6113		01 0.
	IEC 61131 includes the following pro-	aramming language	es:	Symbolic flowchart (SFC)		
	- Function block diagram (FBD),			Instruction list (IL)		
	- Ladder diagram (LD),			Ladder diagram (LD)		
	- Structured text (ST)			Structured text (ST)		
				Structured text (ST)		
	Network configuration (functionality of Config+)			Network configuration (functionality of	of Config+)	
	Notes and discounting (formation alternation	D:\		Natural diamenta (formation disconsideration)	D:	
	Network diagnostics (functionality of	Diag+)		Network diagnostics (functionality of Diag+)		
	-			Unlimited amount of input/output data		
	•		Machine Sequential Function Chart (MSFC)			
	-			Fixed Format Ladder Editor (FFLD)		
Languages supported	Common Facility Franch Halian Co.	wish Ohisses		Orange Franksk Franck Helian One	wish Ohisses	
	German, English, French, Italian, Spa	inisn, Chinese		German, English, French, Italian, Spa	anisn, Chinese	
	Ordering	data		Ordering	data	
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt
Description	Туре	Order No.	FCS./PKI.	Туре	Order No.	FUS./PKI
Free programming version without license mechanism	PC WORX EXPRESS	2988670	1			
for class 100/1000 controllers and PC WORX SRT,						
128 kbytes of I/O data						
Demo software with Quick Start Guide, 16 bytes of I/O data,				PC WORX DEMO	2985725	1
Diag+ limited to 5 devices						
Basic license with 2048 bytes of I/O data, without MSFC compiler				PC WORX BASIC LIC	2985275	1
Full license with 128 kbytes of I/O data,				PC WORX PRO LIC	2985385	1
with MSFC compiler included						
Low-cost ungrade of existing basic license to a full license				DC WODY BASIC-DDO LIC	2085250	

Low-cost upgrade of existing basic license to a full license

1

2985259

PC WORX BASIC-PRO LIC

Programming

PC Worx Target for Simulink

The PC Worx Target for Simulink

firmware library allows you to integrate the functionalities of MATLAB/Simulink into the PC Worx programming software. Use this firmware library to connect MATLAB/Simulink models to RFC 470 and RFC 470S compact controllers from Phoenix Contact.

Your advantages:

- Structured program implementation and simulation/verification in advance, thanks to model-based system design
- Early-stage system simulation and startup by means of "hardware in the loop"
- Quick and easy system testing by means of "Rapid Prototyping"
- Maximized system performance by means of gradual tuning by optimized controls



Firmware library for integration of Simulink applications

Software requirements

MATLAB® andSimulink® R2012 and higher MATLAB® and Simulink® Coder Visual Studio 2008 Professional includes Compiler for x86 and Windows® CE, not necessary for PLCnext controllers PC WORX Version 6.30 or later or PC WORX ENGINEER Version 7.2 or later

Technical data

Ordering data Order No. Pcs /Pkt Description Type Firmware library, for connecting MATLAB/Simulink models for RFC 470/RFC 470S Remote Field Controllers PC WORX TARGET FOR SIMULINK 2400041 **Accessories** Remote Field Controller RFC 470 PN 3TX 2916600 Safety controller RFC 470S PN 3TX 2916794

WebVisit





Development software for web-based visualizations

Accessories

2700950

WEBVISIT 6 BASIC-PRO

WebVisit is the right solution for implementing your web-based visualization tasks. The software is flexible, inexpensive, and easy to operate. Thanks to HTML5, all you need to display your visualization application is a standard browser. This means that you can operate and monitor your system without having to install additional software.

All Phoenix Contact controllers offer an integrated web server which forwards control data. Use this data and design visualization pages using WebVisit. Your project is then saved directly on the controller.

Your advantages:

- Intuitive operation: user interfaces can be created quickly
- No programming knowledge is necessary for the creation of visualization pages
- Display of visualization pages in any standard browser, mobile browser, and all our web panels with integrated runtime environment
- Pay once for engineering and create as many pages as you like
- Optimum workflow integration, thanks to data coupling with PC Worx and PC Worx Express

	Technical da	ıta	
Hardware requirements			
Processor Main memory (RAM) Hard disk memory Optical drive Operating equipment Monitor resolution	min. Intel® Pentium® 4 / Celeron® 1,6 GH min. 2 GByte min. 2 GByte DVD-ROM Keyboard, mouse XGA (1024 x 768)	z	
Software requirements			
Operating system	Windows® 7 Professional SP1 (32-Bit/64-Bit) Windows® 7 Ultimate SP1 (32-Bit/64-Bit) Windows® 8.1 Professional (32-Bit/64-Bit) Windows® 8.1 Enterprise (32-Bit/64-Bit) Windows® 10 (32-Bit/64-Bit)		
Supported browsers	Internet Explorer Version 8 or later		
Basic functions			
	The user interface has a functional design and even the basic version offers numerous graphic basic elements and functions. The variables needed for visualization are imported directly from PC. Work		
Languages supported			
	German, English, French		
	Ordering da	ta	
Description	Туре	Order No.	Pcs./Pkt.
Development software for web-based visualizations	WEBVISIT 6 BASIC	2700948	1
Development software for web-based visualizations, with alarming, trending, and voice switchover	WEBVISIT 6 PRO	2700949	1
Free development software for up to ten web-based visualization pages	WEBVISIT 6 EXPRESS	2700954	1

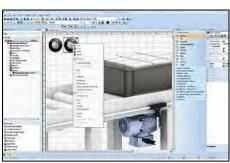
Upgrade license for upgrading from WEBVISIT 6 BASIC to

WEBVISIT 6 PRO

Visualization

Visu+





The **Visu+ 2** visualization software with SCADA functionality is suitable for every application: from a compact touch panel to an industrial PC. In addition to standard functions such as trend and alarm management, Visu+ offers comprehensive functions for alarm distribution and data logging with a link to external databases.

Visu+ 2 runs on Windows PCs as well as embedded platforms (Windows CE). Touch panels from Phoenix Contact are already equipped with the runtime component for embedded devices.

Your advantages:

- Intelligent and intuitive editor for shorter development times
- Flexible license model
- Fully scalable process images for using one design on different devices and screen sizes
- Comprehensive graphical object and symbol libraries based on vector graphics
- Connection via OPC Classic interface
- All data comprehensively recorded, archived, and immediately available, thanks to sophisticated data logger concept and connection to relational database systems
- Numerous possibilities for generating reports using a powerful and integrated report designer
- Web access via the Visu+ mobile app
- High availability, thanks to integrated redundancy function
- FDA-validated projects can be implemented easily, thanks to full support for the FDA CFR21 Part 11 specification
- Maximum flexibility, thanks to the wide range of driver interfaces for leading controller manufacturers

A good visualization software tool provides the basis for efficient automation, in production as well as directly on the machine. The free **Visu+ 2 Express** software provides an easy introduction to the visualization of typical operating and monitoring tasks.

Your advantages:

- No license fees
- Maximum flexibility, thanks to the wide range of driver interfaces for leading controller manufacturers
- Time and cost savings, thanks to the simplified user interface
- Fully scalable process diagrams for using one design on different devices and monitor sizes
- Web access via the Visu+ mobile app
- Connection via OPC Classic interface
- Scalable and fully upward compatible with Visu+ software
- Ideal for HMI applications



Mobile visualization

Extend your system visualization to smartphones or tablets with the **Visu+ mobile** visualization app from Phoenix Contact. You can design flexible operating and monitoring concepts, as the Visu+ mobile app allows you to access your system at any time and from any location.

The Visu+ license option required for the app is already enabled on numerous devices. These include the touch panels from Phoenix Contact.

Industrial PCs with a Visu+ runtime license simply need to be extended by adding the web license option.

Your advantages:

- Convenient: simply use smartphones or tablets for the visualization
- SCADA functions such as trend display or alarm handling also available on mobile devices
- Easy installation via Google Play Store or Apple App Store
- High-performance, scalable Visu+ web server: up to 100 clients can be operated simultaneously in its maximum configuration
- Easy handling: configuration only takes place in the Visu+ development environment

Visu+ 2 - License models

Find out more with the web code

You can find further information about runtime licenses for Visu+ on our website.

Simply enter # and numbers in the search field

i Your web code: #1298



SCADA visualization, development, and runtime licenses



Free development software for HMI visualization

	Te	chnical data		Tech	nical data	
Hardware requirements						
Processor Main memory (RAM) Hard disk memory Optical drive	min. 512 Mbyte (recomme min. 1 GByte (recommend DVD-ROM	min. 1 GByte (recommended: 2 GB) DVD-ROM		Pentium/Celeron, 1.6 GHz min. 512 Mbyte (recommended: 1 GByte) min. 1 GByte (recommended: 2 GB) DVD-ROM		
Operating equipment Monitor resolution	Keyboard, mouse XGA (1024 x 768)			Keyboard, mouse XGA (1024 x 768)		
Software requirements	, ,			,		
Operating system	Windows® 7 Ultimate SP1 Windows® 8 Professional I Windows® 8 Enterprise (3: Windows® Server 2003 Windows® Server 2008 Windows® Server 2008 R2	Windows® Vista Business Windows® 7 Professional SP1 (32-Bit/64-Bit) Windows® 7 Ultimate SP1 (32-Bit/64-Bit) Windows® 8 Professional (32-Bit/64-Bit) Windows® 8 Enterprise (32-Bit/64-Bit) Windows® Server 2003			1 (32-Bit/64-Bit) 2-Bit/64-Bit) -Bit/64-Bit) it/64-Bit)	
Supported browsers	Internet Explorer 5.5 or hig	her		Internet Explorer 5.5 or highe	r	
Basic functions	Karan Hamarata dia arad	a afata dhaanah ay ay dhan af a		Karan Hamanatari'a a and an	fata Managada ana andisana af sa	
	Know-How protection and	safety through encoding of p	rojects	Know-How protection and safety through encoding of projects		
	Real-time database coupli MS EXCEL, and SQL serv	ng with ODBC to MS ACCES er	S,	FDA CFR 21 Part 11 compatible		
	FDA CFR 21 Part 11 comp	atible		OPC Classic Interface and direct drivers		
Options Languages supported						
	German, English, French,	Italian		German, English, French, Ital	ian	
	Oi	rdering data		Ordering data		
Description	Туре	Order No.	Pcs./Pkt.	Туре	Order No.	Pcs./Pkt.
Development license for Visu+ projects	VISU+ 2	2988544	1			
Development environment for all touch panels with integrated runtime of the Visu+ visualization software						
				VISU+ 2 EXPRESS	2402774	1

Configuration, monitoring, diagnostics

Config+ / Diag+



Config+ from Phoenix Contact is the ideal software solution for configuring INTERBUS networks.

Numerous functions for efficient configuration

In Config+, you can use a wide range of functions to efficiently configure systems with INTERBUS networks.

- Reading and comparing real and planned topology
- Parameterization of several master boards and controller boards in one project
- Configuration of subsystems, e.g., lower-level robot systems
- Use of various (e.g., user-defined) device catalogs
- Import and export of device catalogs
- Non-proprietary device parameterization using the FDT (field device technology) concept
- Monitoring function for wiring checks

Comprehensive diagnostics for INTERBUS networks

Reliable diagnostics are essential for high system availability. INTERBUS networks can be diagnosed reliably with the Diag+diagnostics tool integrated in Config+.



Comprehensive diagnostics for PROFINET and INTERBUS networks

Diag+ is a special diagnostic software tool that has been adapted to PROFINET and INTERBUS, which indicates network errors as well as the current states of controllers and devices.

Wide range of functions for reliable diagnostics

Status information, operating functions, plain text messages, and overviews ensure fast startup, error localization, and easy orientation in PROFINET and INTERBUS systems.

- Start and stop of INTERBUS data traffic
- Acknowledgment of INTERBUS error messages
- Display of error messages with tips for error removal and detailed information on the device type and device state
- Display of color symbols for errors and device states
- Generation of acceptance reports as PDF files
- Integration in other software tools such as visualizations
- Display of stored messages from the message archive of the controller
- Overview for the topology of Ethernet/PROFINET devices in a 2D graphic
- Specification of the accessibility of Ethernet/PROFINET devices
- Management of individual rights of use for various users

Configuration, monitoring, diagnostics



Tool for fieldbus and network configuration



Diagnostics software for INTERBUS, PROFINET and Ethernet networks

	Technical data			Technical da	ta	
Hardware requirements Processor Main memory (RAM) Hard disk memory Optical drive Interfaces Operating equipment Monitor resolution Supported controllers	min. 2 GHz, x86 architecture min. 2 GByte min. 2 GByte DVD-ROM Serial interface, Ethernet, PCI Keyboard, mouse SXGA (1280 x 1024) Further controller boards on request.		min. 2 GHz, x86 architecture min. 2 GByte min. 2 GByte DVD-ROM Serial interface, Ethernet, PCI Keyboard, mouse SXGA (1280 x 1024) INTERBUS generation 4 controller boards,			
Software requirements Operating system Supported browsers	Windows® 7 Professional SP1 (32-Bit/64-Bit) Windows® 7 Ultimate SP1 (32-Bit/64-Bit) Windows® 8.1 Professional (32-Bit/64-Bit) Windows® 8.1 Enterprise (32-Bit/64-Bit) Windows® 10 (32-bit/64-bit), as of Build 1511			PROFINET controller (Phoenix Contact o Windows® 7 Professional SP1 (32-Bit/64- Windows® 7 Ultimate SP1 (32-Bit/64-Bit) Windows® 8.1 Professional (32-Bit/64-Bit) Windows® 8.1 Enterprise (32-Bit/64-Bit) Windows® 10 (32-bit/64-bit), as of Build 1 Internet Explorer Version 8 or later	Bit)	
Termination boards supported	Internet Explorer Version 8 or later IBS S7 400 DSC/I-T 2719962 IBS S7 300 DSC-T 2719975 IBS PCI SC/RI/I-T 2730080 IBS PCI SC/RI-LK 2730187 IBS PCI SC/I-T 2725260 IBS PCI SC-LK 2700318 FL IL 24 BK-PAC 2862314 FL IL 24 BK-B-PAC 2862314 FL IL 24 BK-B-PAC 2862327 FL NP PND-4TX IB 2985974 FL NP PND-4TX IB-LK 2985929 FL MBK ETH M12 DI 8 M12-2TX 2736916 IL ETH BK D18 D04 2TX-PAC 2703981 IBS USC4-2 2812209			internet Explorer version of nater		
Basic functions	20,2200					
	Project planning of Ethernet configurations Planning of the address assignment Detecting/representing error states (plain (knowledge database) Comparison between real and planned bus configuration Diagnostics of INTERBUS FO paths (transwith Diag+ Network diagnostics (functionality of Diag+) Numerous other diagnostic functions		smission quality	y)		
Languages supported		, , , ,				
	German, English, French, Italian, Spanish, Chinese			German, English, French, Italian, Spanish, Chinese		
	Ordering da	ta	7	Ordering date	ta	7
Description	Туре	Order No.	Pcs./Pkt.	Туре	Order No.	Pcs./Pkt.
Config+ demo version with limited scope of functions (it is not possible to save projects)	CONFIG+ DEMO	2868046	1			
Config+ full version for configuration and diagnosis of networks	CONFIG+ 2868059		1			
Diag+ demo, limited scope of functions (only valid for the first five stations) Diag+ full version, for INTERBUS diagnostics (ActiveX Control with programming interface)				DIAG+ DEMO	2730734 2730307	1
	Accessories		Accessories			
Copy license, allows you to install the software multiple times. A full version is also required. Please specify the number of licenses required when ordering.	CONFIG+ CPY	2868062	1	DIAG+ CPY	2730404	1

Drivers and interfaces

OPC server

Implement data exchange quickly and reliably between the following devices using OPC servers:

- PC Worx-programmable controllers
- SNMP (Simple Network Management Protocol)-compatible devices

The standardized OPC UA (Unified Architecture) and OPC DA (Data Access) interfaces enable easy integration in OPC-compatible visualization and control systems.

The **PC Worx UA SERVER** supports the PLCopen profile for controllers in accordance with the OPC UA standard. Variables and structures of PC Worxprogrammable controllers are provided in a common address area.

The **AX OPC SERVER** operates in accordance with the OPC DA standard and is used for data exchange between control systems, quality management systems or HMI stations with PC Worx-based controllers.

The **SNMP OPC SERVER V3** gathers device and network information which can be read via SNMP. In this way, you can integrate your SNMP-compatible devices into OPC-based process control systems (SCADA) or into HMI systems.



OPC UA – communication interface for PC Worx-programmable controllers

Technical data

	rechnical data
Hardware requirements	
Processor Main memory (RAM)	min. Intel® Core™ i3-2100 (2 GHz) min. 2 GByte
Hard disk memory Optical drive Operating equipment	
General requirements	
Operating system	Windows® 7 (32-Bit/64-Bit) Windows® 8.1 (32-Bit/64-Bit) Windows® 10 (32-Bit/64-Bit) Windows® Server 2012 Windows® Server 2016
Software requirements	PC Worx Version 6 or later
Basic functions	
	Data exchange in accordance with DA profile spec 1.02 (2012)
	Security Policies: None, Basic128RSA15, Basic256
	Message Security: Mode none, sign, sign&encrypt
	Communication profile in accordance with the PC-based server via binary protocol using TCP/IP Easy access to arrays and structures Variable mapping in accordance with PLCopen profile spec 1.00

	Ordering data			
Description	Туре	Order No.	Pcs./Pkt.	
OPC UA server for communication with a maximum of 10 modular small-scale controllers - ILC 1x1, AXC 1xxx	PC WORX UA SERVER-PLC 10	2402684	1	
OPC UA server for communication with a maximum of 25 controllers - ILC 1x1, AXC 1xxx, AXC 3xxx, PC WORX RT BASIC/SRT	PC WORX UA SERVER-PLC 40	2402685	1	
OPC UA server for communication with a maximum of 200 controllers - ILC 1x1, AXC 1xxx, AXC 3xxx, RFC 460R, RFC 480S, PC WORX RT BASIC/SRT	PC WORX UA SERVER-PLC 80	2402686	1	
AX OPC SERVER, communication interface for OPC-compatible visualization with PC Worx-based controllers - ILC 1x1, AXC 1xxx, ILC 3xx, AXC 3xxx, RFC 4xx,				
PC WORX RT BASIC/SRT SNMP OPC server, for monitoring and configuring a maximum of 100 SNMP-compatible devices in HMI and SCADA systems				
Extension license for 100 devices				

Languages supported



OPC DA – communication interface for PC Worx-programmable controllers

Technical data



Monitoring/configuration of SNMP-compatible devices in HMI and SCADA systems

Technical data

min. Intel® Core™ i3-2100 (2 GHz)						
min. Intel® Core™ i3-2100 (2 GHz) min. 1 GByte (2 GB for Windows Vista and Windows 7)		PC Pentium > 266 MHz				
-			min. 20 Mbyte CD-ROM Keyboard, mouse recommended			
Windows® 7 Ultimate SP1 (32-Bit/64-Bit) Windows® 8.1 Professional (32-Bit/64-Bit) Windows® 8.1 Enterprise (32-Bit/64-Bit) Windows® 10 (32-bit/64-bit), as of Build 1511		Windows® XP (SP3) Windows® 7 Windows® 10 Windows® Server 2008 Windows® Server 2003 Windows® Vista Business				
Supports OPC standard functions and all the (in accordance with OPC spec. DA 1.0a and			Monitoring and configuration of 100 SNN in HMI/SCADA systems	IP-compatible d	evices	
Simultaneous support to several controllers			Network monitoring with HMI/SCADA sys	stems		
Integrated OPC testing and diagnostics clien	ıt		SNMP Version v1 and v2c supported			
1			OPC clients OPC Data Access 1.0A/2.0 and Events supported Integrated MIB browser Import/export and creation of device protonline and remote configuration possible	iles supported,		
German, English			German, English			
Ordering data		Ordering da	ıta			
Ordering data		1	Ordering data			
Туре	Order No.	Pcs./Pkt.	Туре	Order No.	Pcs./Pkt.	
AX OPC SERVER	2985945	1				

Remote control

Portico

Optimally tailor your operating concept to the requirements of your system. With the Portico software, you can install up to 16 thin clients exactly where you need them. If multiple employees based in various locations need to access the machine, you can design individual solutions in this way.

Portico is a remote control software tool that allows you to view and fully interact with the desktop of another industrial PC over a network. The software uses a client/server architecture that either supports point-to-point connection between a server and client or allows communication to be established between a server and multiple clients. Thanks to the unique assignment of access rights, your system is also protected against unauthorized access.

Portico can also be used in a production environment to visualize or control a machine or process at a remote location in the system.

Your advantages:

- Individual operation and monitoring concepts with up to 16 clients
- Simultaneous display of IPC screen information at several operating stations without server operating system
- Inexpensive, thanks to the use of thin clients
- Configuration tool for user-friendly management of access rights
- Fast screen and input response, thanks to communication via TCP/IP network protocol
- Low memory usage by server and client

System requirements:

- CPU type/class: x86
- Minimum CPU clock rate: 1.0 GHz
- Minimum RAM: 512 MB
- Minimum memory required for server: 100 MB
- Minimum memory required for client: 100 MB
- LAN rate: 100 Mbps
- Graphics requirements: unlimited



Remote control software

Hardware requirements	
Processor	1
Main memory (RAM)	2
Hard disk memory	2
Software requirements	
Operating system	١
Basic functions	
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Languages supported	
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Description	
Remote control	

- 1 client

- 4 clients

- 16 clients

Technical data
Atom™ or above
≥ 512 Mbyte (minimum)
≥ 100 Mbyte (minimum (client and server))
Mindage 97
Windows® 7 Windows® 10
Remote control software
German, English, French, Spanish, Italian
Ordering data

Ordering data						
Туре	Order No.	Pcs./Pkt.				
VL PORTICO SERVER 1 CLIENT VL PORTICO SERVER 4 CLIENT VL PORTICO SERVER 16 CLIENT	2701453 2701455 2701456	1 1 1				