PLCNEXT ENGINEER - Programming software

1046008

https://www.phoenixcontact.com/us/products/1046008

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CRA READY



Engineering software platform for Phoenix Contact automation controllers. PLCnext Engineer is IEC 61131-3-compliant and is available free of charge under Downloads. Its functionality can be extended using paid add-ins. To do this, open the license configurator via the “Configure” button.

Your advantages

- Secure programming, certified in accordance with IEC 61508
- Security by design, with the controllers of the PLCnext Control family
- Uniform operation worldwide, thanks to programming according to IEC 61131
- One software program for all engineering tasks
- Less work and training involved, thanks to the optimized user interface
- Time and cost savings, thanks to fully integrated programming in a single interface
- Flexible engineering, thanks to the integration of individual function add-ins in the free basic version
- Simplified engineering process, thanks to the use of automation modules and object-oriented programming

Commercial data

Item number	1046008
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR21
Product key	DRDBAC
Weight per piece (including packing)	0.001 g
Weight per piece (excluding packing)	0.001 g
Country of origin	DE

Technical data

Product properties

Product type	Programming
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

System properties

Type of software	On-premises
Intended use for the software	Engineering software for controllers

License information

Type of license	Single-user license
	Network license
	Freeware

Functionality

Basic functions	Programming an automation system in accordance with IEC 61131-3
	Planning an automation system
	Setting of hardware and network parameters
	Network-oriented or fully graphical programming
	Web-based visualization based on open standards such as HTML5 and JavaScript
Expanded functionality	Control cockpit for diagnostics
	Integrated visualization editor
Integrated function	Analysis
	Evaluation
	Data acquisition
	Programming
	Configuration
	Diagnostics
	Maintenance
	Communication
	Functional safety
Programming tool	PLCnext Engineer
Programming languages supported	Function block diagram (FBD)
	Ladder diagram (LD)
	Structured text (ST)
	Symbolic flowchart (SFC)
Configuration	PROFINET (GSDML version 2.2 or later), INTERBUS, IO-Link revision 1.1
Associated hardware	Phoenix Contact control
Supported controller	AXC F 1152
	AXC F 2152

	AXC F 3152
	RFC 4072S
	RFC 4072R
	BPC 9102S
	EPC 1502
	EPC 1522
	AXC F 2000 EA
	AXC F 1252
	VPLCNEXT CONTROL

System requirements

Operating equipment	Keyboard, mouse
Operating system	Windows® 11 versions with active support according to the Microsoft Modern Lifecycle Policy
Platform	.NET Framework 4.8
Processor	Intel® Core™ 5 (or equivalent)
Hard disk memory	min. 2 GByte
Main memory (RAM)	min. 16 GByte (32 GB recommended)
Supported browsers	Microsoft Edge
Languages supported	German, English, Chinese
Screen resolution	1920 x 1080 pixel(s) (HD)

Add-in (optional)

PLCnext ENG ACI	ACI (Application Control Interface) for controlling the PLCnext Engineer software remotely from external high-level language applications
PLCnext ENG MV	Integrated viewer for displaying MATLAB® Simulink® models that can be processed on a PLCnext Technology controller
PLCnext ENG SAFETY	Editor (TÜV-certified) for programming safety-related user applications and for configuring and starting up PROFIsafe devices on safety-oriented controllers with PLCnext Technology.
PLCnext ENG SFC	Editor for programming the IEC 61131-3-compliant SFC (Sequential Function Chart) with integrated troubleshooting
PLCnext ENG HMI Generator	HMI Generator for generating a complete visualization based on a user project, without any manual effort. The project instances can be linked and placed via an XML configuration with HMI symbols.
PLCnext ENG SAFE-CFUNC	This add-in can be used to create C function libraries and provide them with certificates. These libraries can be sent to a safety controller, without having to update the controller’s firmware.
PLCnext ENG ETH TOP VIEW	This add-in makes it possible to read in and display the connected Ethernet topology. The devices together with the network addresses, ports, and connection types can be displayed in various views.

Classifications

ECLASS

ECLASS-13.0	27242501
ECLASS-15.0	27242501

ETIM

ETIM 10.0	EC002537

UNSPSC

UNSPSC 21.0	43233600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com