



PFC200
with
CODESYS
3.5

NEW PRODUCT RELEASE

PFC200s Programmed with Codesys 3.5

WAGO is expanding options for programming our popular PFC200 PLC controllers. We have integrated manufacture-independent CODESYS 3.5 automation software into a select set of our PFC200 devices.

Starting with FW23, select WAGO's PFC200 controllers will be programmed with CODESYS 3.5 software. The engineering software is free of charge and can be downloaded from WAGO's website. With this software, users will be able to use the features of CODESYS 3.5 to help them develop control code for their applications. Included in the free software is access to popular fieldbuses including EtherNet/IP Master and adapter, EtherCAT Master as well as MODBUS TCP Master and Server. Add-on licenses are available for specific applications in Building, Energy, Marine and IIOT applications.

CODESYS 3.5 offers features to help develop control code and visualizations for simple to complex applications. Use any one of the IEC61131-3 standardized programming languages or several of them to optimize code development and troubleshooting. WAGO provides hundreds of libraries that can be used in CODESYS 3.5 code to help speed implementation. Users can take advantage of task segmentation

to help optimize application performance. The multi-controller development environment helps coordinate code of more complex applications. Online monitoring and changes enable users to troubleshoot and update code without needing to halt operations. Users can leverage built-in security features including role based permissions and file encryption. No matter what the application, WAGO's PFC200 with CODESYS 3.5 programming environment is up to the challenge.

If e!COCKPIT users want to convert applications to CODESYS 3.5, it is a straight forward process. Users can simply change the file name from .epc to .project and much of the program will be converted. However, users will need to review the communication structure of their program. If an e!COCKPIT communication configurator was used in the initial setup, then some changes may be required in the code to optimize future changes. If function blocks were used for communications, then most likely no other changes would be necessary. Use WAGO's guidelines document to help with communication conversions.



EtherNet/IP

EtherCAT

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Features	Benefits
PFC200s with CODESYS V3.5 Programming	Flexible engineering based on open industry standard
	Greater interoperability, performance and functions
	Easy conversion from existing e!COCKPIT projects to CODESYS 3.5

Part Number	Interfaces	Comments
750-8210	4x Ethernet Ports	Industrial Environments
750-8210/025-000	4x Ethernet Ports	Extended Temperature
750-8210/040-001	4x Ethernet Ports	Extreme Temperature
750-8211	2x Ethernet, 2x Fiber Optic	Industrial Environments
750-8211/040-000	2x Ethernet, 2x Fiber Optic	Extreme Temperature
750-8211/040-001	2x Ethernet, 2x Fiber Optic	Extreme Temperature + Telecontrol
750-8212	2x Ethernet, 1x RS232/-485	Industrial Environments
750-8212/000-100	2x Ethernet, 1x RS232/-485	Industrial Environments + BACnet/IP
750-8212/025-000	2x Ethernet, 1x RS232/-485	Extended Temperature
750-8212/025-001	2x Ethernet, 1x RS232/-485	Extended Temperature + Telecontrol
750-8212/025-002	2x Ethernet, 1x RS232/-485	Extended Temperature + Telecontrol ECO
750-8212/040-000	2x Ethernet, 1x RS232/-485	Extreme Temperature
750-8212/040-001	2x Ethernet, 1x RS232/-485	Extreme Temperature
750-8212/040-010	2x M12 Ethernet, 1x RS232/-485	Extreme Temperature + Telecontrol
750-8213	2x Ethernet, 1x CANopen	Industrial Environments
750-8213/040-010	2x M12 Ethernet, 1x CANopen	Extreme Temperature
750-8214	2x Ethernet, 1x RS232/-485, 1x CANopen	Industrial Environments
750-8215	4x Ethernet, 1x CANopen, 1x USB	Industrial Environments
750-8216	2x Ethernet, 1x RS232/-485, 1x CANopen, 1x Profibus Client	Industrial Environments
750-8216/025-000	2x Ethernet, 1x RS232/-485, 1x CANopen, 1x Profibus Client	Extended Temperature
750-8216/025-001	2x Ethernet, 1x RS232/-485, 1x CANopen, 1x Profibus Client	Extended Temperature + Telecontrol
750-8216/040-000	2x Ethernet, 1x RS232/-485, 1x CANopen, 1x Profibus Client	Extreme Temperature

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Available Licenses for PFC200 Controllers with CODESYS 3.5

Description	License Part Number
Building Automation	
BACnet/IP Unlimited Tags	2759-283/211-1000
BACnet/IP 256 Tags	2759-2282/211-1000
Energy Applications	
IEC 60870 Server	2759-290/211-1000
IEC 60870 Client	2759-293/211-1000
IEC 61850 Server w/GOOSE Publisher	2759-2240/211-1000
IEC 61850 Server w/GOOSE Subscriber	2759-2243/211-1000
DNP3 Outstation	2759-2290/211-1000
DNP3 Master Medium	2759-2293/211-1000
IIoT	
Sparkplug	2759-247/210-1000
Multi Cloud Connectivity	2759-248/211-1000
Marine Applications	
Redundancy Master	2759-245-211-1000

Customer-centric questions for targeted conversations:

- Would you like to program your controllers with a manufacture independent software?
- Would you like your programming software to be able to develop both your application logic as well as low-cost HMI visualization screens?
- Would you like your programming software to be provided at no cost?
- Would you like to have technical support on your programming software without the need for a maintenance contract?
- Would you like your programming software to support all the standard IEC61131 programming languages including Ladder Diagram, Structured Text, and Function Blocks?
- Would you like your programming software to provide online monitoring, online changes, and program segmentation in order to optimize system performance?

Where to sell:

- All automation projects

Complementary Products:

- Lean Managed Switches
- 750 and 753 Series I/O
- Edge Controller
- Select PFC200 Controllers
- Compact Controller 100

Important Links: [PFC200 Product Page](#), www.mywago.us

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