



## CODESYS Control Win SL

CODESYS Control Win SL is an IEC 61131-3 SoftPLC for PC-based industrial controllers (PLCs) under Windows with soft real-time properties.

### Product description

The CODESYS Control Win SL turns an industrial PC into a universally usable high-performance PLC - almost arbitrarily scalable via the PC performance. The system is suitable for applications without tough requirements on real-time behavior and is equipped with the add-on CODESYS KNX SL is also used in buildings.

The runtime system supports numerous I/O interfaces such as discrete input/output or fieldbus cards as well as integrated IEC 61131-3 protocol stacks. The fieldbuses are configured directly in the CODESYS Development System - without the use of additional tools.

### Benefits

- Communication with the CODESYS Development System
- Loading, management and execution of the application code compiled by CODESYS in binary format
- Debugging of the application within CODESYS
- Handling of the I/O systems and fieldbuses
- Execution of optional components (see section "Product options")
- Support of remanent data: hard disk, flash card, battery buffered SRAM card

### Interfaces

- CODESYS OPC UA Server, as full version for data exchange.

### Fieldbus support

With the delivery of the Runtime Package the following fieldbuses are supported:

- CODESYS CANopen Manager / Device
- CODESYS EtherCAT Master [1]
- CODESYS EtherNet/IP Scanner / Adapter [1]
- CODESYS J1939
- CODESYS Modbus TCP Master / Slave [1]
- CODESYS Modbus Serial Master / Slave
- CODESYS PROFIBUS Master
- CODESYS PROFINET Controller / Device [1]
- CODESYS Sercos III Master

1(1,2,3,4) These fieldbuses require an installed Npcap. This product therefore includes software developed by the Computer Systems Engineering Group at Lawrence Berkeley Laboratory.

## Product options

The product can be extended by the following chargeable product options:

- CODESYS BACnet SL
- CODESYS KNX SL
- CODESYS Redundancy SL
- CODESYS SoftMotion SL
- CODESYS SoftMotion CNC+Robotics SL
- CODESYS TargetVisu
- CODESYS WebVisu

Detailed information can be found in the [CODESYS Online Help](#).

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## General information

### Supplier:

CODESYS GmbH  
 Memminger Strasse 151  
 87439 Kempten  
 Germany

### Support:

This product includes a free addition to an otherwise paid support entitlement of one hour of support.

The redemption must be made within %period% from the date of purchase. After this time, the support entitlement expires.

<https://support.codesys.com>

### Item:

CODESYS Control Win SL

### Item number:

2302000003

### Sales/Source of supply:

CODESYS Store  
<https://store.codesys.com>

### Included in delivery:

- .zip file with Setup.exe (32/64 bit)
- License key, for single core usage of the IEC tasks

## System requirements and restrictions

<b>Programming System</b>	CODESYS Development System V3.5.17.20 or higher
<b>Supported Platforms/ Devices</b>	Runs on Windows 10 / 11 / Embedded (32/64 Bit)  The versions <b>maintained by Microsoft</b> are supported.  Note: Use the tool "Device Reader" to find out the supported features of your device (free of charge component of CODESYS Development System).
<b>Restrictions</b>	No "hard" real time / Soft real-time properties: within the tolerance range time can be exceeded frequently and, secondly, rarely by a large amount.

Not released for use in containers or virtual machines (VMs)!

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## Licensing



Single device license: The license can be used on the target device/PLC on which the CODESYS runtime system is installed.

Licenses are activated on a software-based license container (soft container), which is permanently connected to the controller. Alternatively, the license can be stored on a CODESYS Key (USB dongle). By replugging the CODESYS Key, the license can be used on any other controller.

Note: In demo mode, the software runs for two hours without a license. After that, a manual restart is required.

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## Required Accessories

Optional: CODESYS Key

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*Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.*

Creation date: 2024-06-03