



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

Programming System	CODESYS Development System V3.5.17.20 or higher
Supported Platforms/ Devices	Runs on Windows 10 / 11 / Embedded (32/64 Bit) The versions maintained by Microsoft 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).
Restrictions	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)!

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.

Required Accessories

Optional: CODESYS Key

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

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