



## CODESYS Control RTE SL

CODESYS Control RTE SL is a real-time software PLC for PC-based industrial controllers under Windows - programmable with the IEC 61131-3 development System CODESYS.

### Product description

The product CODESYS Control RTE SL is a real-time software PLC for PC-based industrial controllers under Windows. The runtime system has its own real time kernel: deterministic behavior with jitter values in the  $\mu\text{s}$  region without additional hardware components or operating system extensions.

### Interfaces

- CODESYS OPC UA Server

The following CAN-PCI cards are supported:

- Peak PCI: PCIe, MiniPCIe
- Ixxat: SJA1000 (PCI card)
- Automata: all PCI cards (1- and 2-channel)
- Innodisk: PCIe CAN adapter
- HMS: passive CAN cards

### Fieldbus support

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

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

### Product options

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

- CODESYS SoftMotion SL
- CODESYS SoftMotion CNC+Robotics SL
- CODESYS WebVisu SL

- CODESYS TargetVisu SL

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 RTE SL

### Item number:

2302000000

### Sales / Source of supply:

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

### Included in delivery:

.zip file with Setup.exe (32/64 bit)

## System requirements and restrictions

<b>Programming System</b>	CODESYS Development System V3.5.17.20 or higher
<b>Runtime System</b>	CODESYS Control V3.5.17.20
<b>Supported Platforms/ Devices</b>	OS: Windows 8 / 10 / IoT Enterprise : 32Bit / 64Bit : 2 or more CPU-cores  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>Additional Requirements</b>	-
<b>Restrictions</b>	The following CAN-PCI cards are supported: <ul style="list-style-type: none"> <li>• Peak PCI: PCIe, MiniPCIe (SJA1000-based)</li> <li>• Ixxat: SJA1000 (PCI card)</li> </ul>

- Automata: all PCI cards (1 and 2 channel)
- Innodisk: PCIe CAN adapter
- HMS: passive CAN cards

The following Ethernet chipsets are supported:

- Realtek
- Intel (Pro1000 compatible)

Sercos III Master: only 32bit supported

Following Hilscher hardware is supported:

- PROFIBUS Master: Hilscher CIFX or netX 100/500 controller with firmware 2.8.0.0
- PROFINET Controller: Hilscher CIFX or netX 100/500 controller with firmware 3.x

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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: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact [sales@codesys.com](mailto:sales@codesys.com).*

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