



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

Licensing:

Single Device License

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 μ 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:

<https://support.codesys.com>

Item:

CODESYS Control RTE SL

Item number:

2302000000

Sales:

CODESYS Store

<https://store.codesys.com>

Included in delivery:

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

System requirements and restrictions

Programming System	CODESYS Development System V3.5.17.0 or higher
Runtime System	CODESYS Control V3.5.17.0
Supported Platforms/ Devices	<p>Can be executed with Windows 8 / 10 / Embedded (32 / 64 Bit) with single or multi core CPUs</p> <p>The versions maintained by Microsoft are supported.</p> <p>Note: Use the tool "Device Reader" to find out the supported features of your device (free of charge component of CODESYS Development System).</p>
Additional Requirements	-
Restrictions	<p>The following CAN-PCI cards are supported:</p> <ul style="list-style-type: none"> • Peak PCI: PCIe, MiniPCIe (SJA1000-based) • Ixxat: SJA1000 (PCI card) • Automata: all PCI cards (1 and 2 channel) • Innodisk: PCIe CAN adapter • HMS: passive CAN cards <p>The following Ethernet chipsets are supported:</p> <ul style="list-style-type: none"> • Realtek • Intel <p>Sercos III Master: only 32bit supported</p> <p>Following Hilscher hardware is supported:</p> <ul style="list-style-type: none"> • 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
Licensing	<p>Single Device License: The license can be used on the target device/PLC on which the CODESYS Runtime System is installed.</p> <p>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</p> <p>Note: In demo mode, the software runs for two hours without a license. After that, a manual restart is required.</p>
Required Accessories	Optional: CODESYS Key

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact 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.