



CODESYS Control RTE MC SL

A multicore extension for CODESYS Control RTE SL - an IEC 61131-3 compliant real-time SoftPLC for PC-based industrial controllers under Windows.

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, which enables deterministic behavior with jitter values in the μ s range without additional hardware components or operating system extensions.

The multicore license **CODESYS Control RTE MC SL** extends the CODESYS Control RTE SL by the ability to distribute the IEC application over several CPU cores. The application engineer decides whether the distribution of tasks should be handed over to the operating system or whether tasks such as motion, communication or visualization should be processed on individual cores. With the multicore extension the optimal distribution can be set for each application and monitored via integrated core tracing.

Benefit

- Better real-time behavior of independent tasks
- Better performance of the overall system
- More options for load distribution in the operating system
- Preservation of data consistency
- Longer CPU life

Functions

- Runtime system extension for multicore operation of CODESYS Control RTE SL
- Extension of the task configuration in the CODESYS Development Systems for binding individual IEC tasks (tasks or task groups) to different CPU cores
- Tracing of the load distribution of the multicore application within CODESYS

Fieldbus support

Fieldbuses are licensed within the CODESYS Control RTE SL product.

Online Help

https://help.codesys.com/webapp/_cds_multi_core;product=codesys

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General information

Supplier:

CODESYS GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

<https://support.codesys.com>

Item:

CODESYS Control RTE MC SL

Item number:

2302000043

Sales:


CODESYS Store

<https://store.codesys.com>

Included in delivery:

- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.17.10 or higher
Runtime System	CODESYS Control RTE SL V3.5.17.10 or higher
Supported Platforms/ Devices	OS: Windows 8 / 10 / Embedded CPU: x86 (single core), x64 (multi core) 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).
Additional Requirements	Installation of CODESYS Control RTE SL
Restrictions	-
Licensing	<div style="text-align: center;">  DEVICE </div> <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.