



CODESYS Control Win Multicore SL

CODESYS Control Win MC SL is an extension of CODESYS Control Win SL – an IEC 61131-3-compliant SoftPLC for PC-based industrial controllers running on Windows with soft real-time properties.

Product description

CODESYS Control Win Multicore SL extends an existing industrial PC, on which CODESYS Control Win SL is installed, to a multicore (MC) high-performance PLC. This can process its IEC application specifically on multiple CPU cores. The system is suitable for applications with soft demands on the real-time behavior.

Benefits

- Extension of CODESYS Control Win SL for multicore support
- Extension of the CODESYS Development System for binding individual IEC applications to different CPU cores
- Debugging of the multicore application within CODESYS

Fieldbus support

The fieldbuses of CODESYS Control Win SL are supported in single-core operation.

Some fieldbuses require an installed Npcap. This product therefore includes software developed by the Computer Systems Engineering Group at Lawrence Berkeley Laboratory.

Product options

None

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Sample product options..

General information

Supplier:

CODESYS GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

Technical support is not included with this product. To receive technical support, please purchase a CODESYS Support Ticket.

<https://support.codesys.com>

Item:

CODESYS Control Win MC SL

Item number:

2302000030

Sales / Source of supply:

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

Included in delivery:

- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.17.20 or higher
Runtime System	CODESYS Control Win SL V3.5.17.20 or higher
Supported platforms and devices	Runs on Windows 8 / 10 / Embedded (32/64-bit) with multicore CPUs 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 Win SL
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.

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: 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.