



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	<p>Runs on Windows 10 / 11 / Embedded (32/64 Bit) with multicore 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	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.

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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