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 10 / 11 / 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.

	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. Two types of licensing are offered: 1. Application-based licensing: Since v3.5.19.0 The size and features of the IEC application are licensed. 2. Single device license: The license can only be used by one exclusive controller (old licensing model). The license is activated on a software-based license container (soft container) that is permanently linked to the controller. Alternatively, the license can be stored on a CODESYS key (USB dongle). By reconnecting the CODESYS Key, the license can be used on another controller. Note: Without a license, the software runs in demo mode for two hours. 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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