



CODESYS Control for Linux Multicore SL

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

Product description

CODESYS Control Linux Multicore SL extends an existing industrial PC, on which CODESYS Control Linux 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 Linux SL for multicore support (all CPUs)
- 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 Linux SL are supported in single-core operation.

Product options

None

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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 for Linux MC SL

Item number:

2302000031

Sales/Source of supply:

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

Included in delivery:

- License key

System requirements and restrictions

Programming system	CODESYS Development System V3.5.17.0 or later
Runtime system	CODESYS Control for Linux SL V4.4.0.0 or higher
Supported platforms and devices	Runs on Debian-based Linux (64-bit) with multicore CPU 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 for Linux SL
Restrictions	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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