Data Sheet CODESYS Control for WAGO Touch Panels 600 SL

This product allows users to program different models of the WAGO Touch Panels 600 by using the free CODESYS Development System (V3).

Product description

CODESYS Control for WAGO Touch Panels 600 SL is a SoftPLC-based on CODESYS V3 for the WAGO Touch Panels 600 series. After installation of the runtime environment, the PLC can be engineered with the CODESYS Development System (V3).

Detailed information about commissioning of the PLC can be found in the CODESYS Online Help.

Benefits

- Fully-adapted CODESYS runtime system for WAGO Touch Panels 600 series (https://www.wago.com/de/)
- Suitable for PLC tasks with higher performance requirements
- Comprehensive engineering solution with the free CODESYS Development System (V3), extensible by add-ons from the CODESYS Store

Performance

- CODESYS Multicore is included as full version in the delivery of the runtime package.

Communication

- CODESYS OPC UA Server is included as full version in the delivery of the runtime package.

Visualization

- CODESYS WebVisu is included as full version in the delivery of the runtime package.

SL Extension

The SL Extension Package is included in the Runtime Package and offers additional functions:

- Integration of existing C code
- Implementation of external functions
- Support of start/stop switches
- Usage of local I/Os

  • Use of external event tasks
  • Connect persistent memories (Retains)

Fieldbus

The following fieldbuses are included as full version in the delivery of the runtime package:

  • CODESYS CANopen Manager / Device
  • CODESYS EtherCAT Master
  • CODESYS EtherNet/IP Scanner / Adapter
  • CODESYS J1939
  • CODESYS Modbus TCP Master / Slave
  • CODESYS Modbus Serial Master / Slave
  • CODESYS PROFINET Controller / Device

Product options

Additonal products can be licensed for a fee:

  • CODESYS BACnet SL
  • CODESYS KNX SL
  • CODESYS Redundancy SL

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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 WAGO Touch Panels 600 SL

Item number:

2302000038

Sales/Source of supply:

CODESYS Store
https://store.codesys.com

Included in delivery:

- Package for the CODESYS Development System including CODESYS Control, license agreement, online help and device description
- License Key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.17.0 or higher
Supported Platforms/ Devices	WAGO Touch Panels 600
	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	See license agreement. After installation, the user is responsible for implementing and checking the functionality of the combination of the software package and hardware according to device specifications.
	• Minimun WAGO firmware version 17

- Dynamic libraries needed by the CODESYS Control Runtime binary:
  - libm.so.6
  - libpthread.so.0
  - libdl.so.2
  - librt.so.1
  - libc.so.6
  - libgcc_s.so.1
  - libdbus-glib-1.so.2
  - libdbuskbuscommon.so.0
  - libffi.so.6
  - libglib-2.0.so.0
  - liblibloader.so.0
  - libnvram.so.0
  - libuio.so.0
  - liboms.so
  - libtypelabel.so
  - libdiagnostic.so

Restrictions	Not released for use in containers or virtual machines (VMs)!
Licensing	DEVICE

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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