



Data Sheet CODESYS PROFINET Device (for EL6631-0010) SL

CODESYS PROFINET Device (for EL6631-0010) SL allows end users to integrate a CODESYS compatible controller with EtherCAT fieldbus support into an existing PROFINET network. License activation is required for each device. This is done from within the CODESYS Development System.

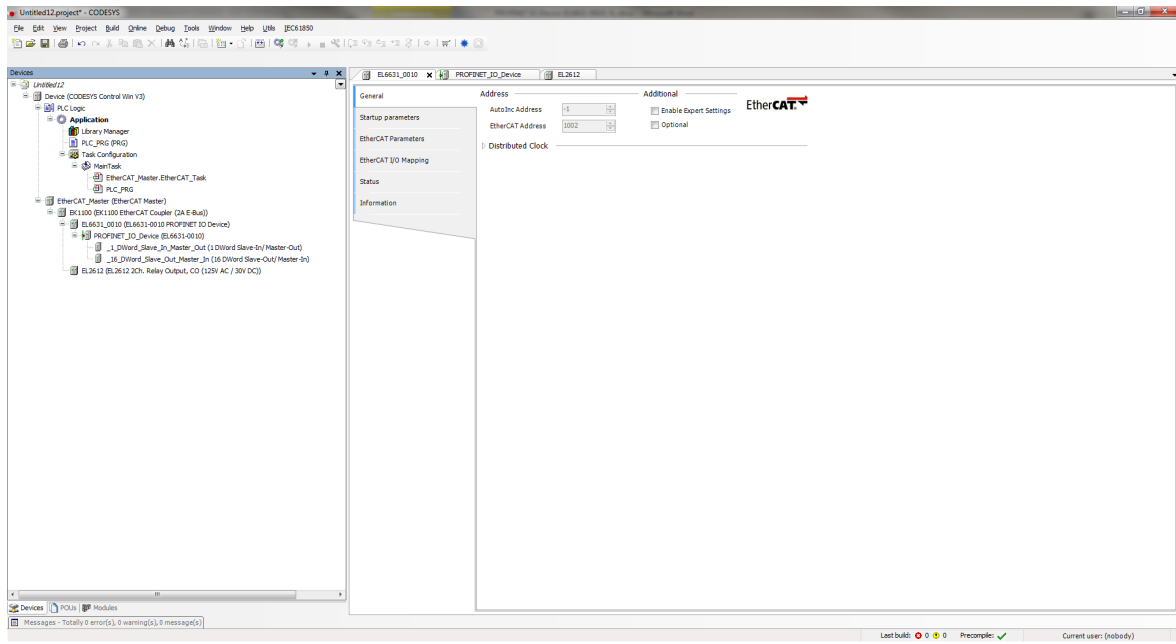
Product description

The EL6631-0010/EL6633-0010 gateway terminal from Beckhoff allows an EtherCAT enabled controller to register itself as a PROFINET device in a PROFINET network. For CODESYS compatible controllers to use this functionality, they need a gateway for the inputs and outputs of the PROFINET device with the EL6631/EL6633-0010 terminal. CODESYS PROFINET Device (for EL6631-0010) SL is a product that integrates these functionalities seamlessly into the existing controller. In project engineering, the terminal is integrated as an EtherCAT object in the device tree of an IEC 61131-3 project. Then the terminal is configured directly from within the development environment. End users of CODESYS compatible controllers with EtherCAT are therefore provided with many options for configuring their device as a PROFINET controller and integrating it into existing PROFINET network architectures. With the gateway functionality of the EL6631-0010/EL6633-0010 terminal module, no additional Ethernet ports are required on the device.

A special device description for the EL6631-0010/EL6633-0010 gateway terminal allows integration into an appropriate EtherCAT fieldbus coupler (example: EK1100) of the CODESYS project according to the physical configuration.

Architecture

Typical structure in the CODESYS device tree:



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 PROFINET Device (for EL6631-0010) SL

Item number:

2303000010

Sales/Source of supply:

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

Included in delivery:

- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.8.0 or higher
Runtime System	CODESYS Control V3.5.8.0 or higher for free in the CODESYS Store.
Additional Requirements	<ul style="list-style-type: none"> • Available EtherCAT Master and Ethernet port on the device • WIBU Codemeter support
Restrictions	
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

- PROFINET slave terminal EL6631-0010/
EL6633-0010 (Beckhoff)
 - Optional: CODESYS Key
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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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