



Data Sheet CODESYS Modbus TCP Device SL

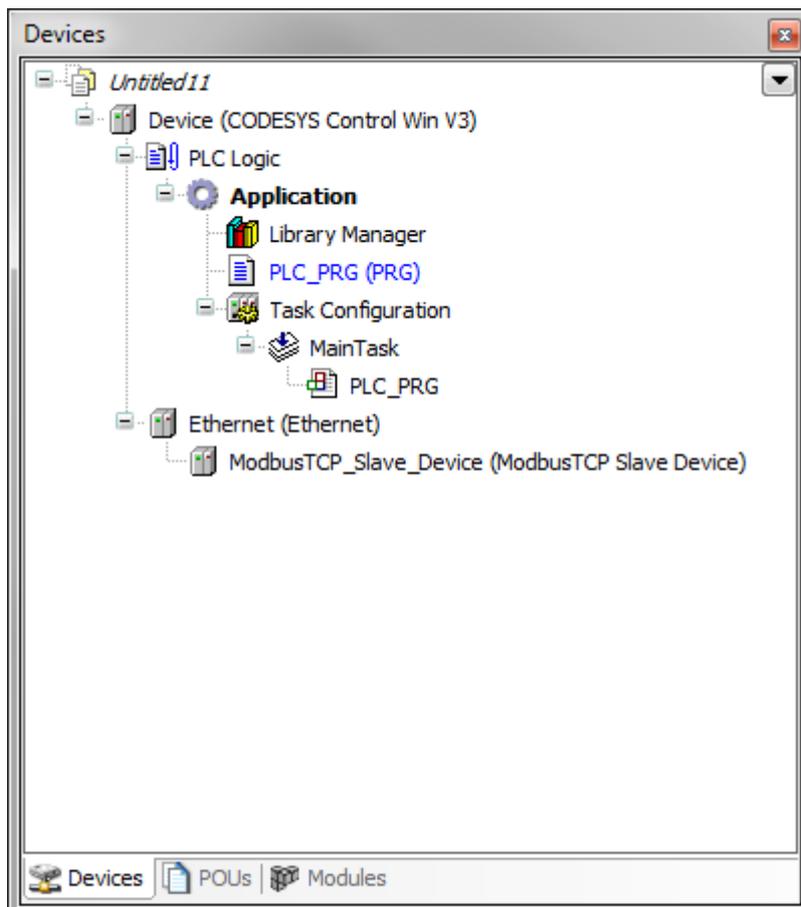
The CODESYS Modbus TCP Device enables a controller to act as a Modbus TCP Slave that is programmable with the CODESYS Development System.

Product description

The CODESYS Modbus TCP Device enables a CODESYS-capable controller to register as a Modbus TCP Slave in a Modbus network. For CODESYS-compatible controllers can use this functionality, they require a COM port for communication. The CODESYS Modbus TCP Device product integrates this functionality seamlessly into the existing controller. During project engineering, the Modbus TCP Device is included in the device tree of an IEC 61131-3 project. Then configuration is performed directly in the development environment.

Architecture

Typical structure in the device tree:



Editor:

The screenshot shows a configuration window titled "ModbusTCP_Slave_Device". On the left is a sidebar with four menu items: "General", "Modbus TCP Slave Device I/O Mapping", "Modbus TCP Slave Device Parameters", and "Information". The "General" menu item is selected. The main content area is divided into two sections:

- Configured Parameters:** This section contains several settings:
 - Watchdog: 500 (ms)
 - Slave Port: 502
 - Unit ID: (empty text box)
 - Holding Registers (%IW): 10
 - Input Registers (%QW): 10
- Data Model:** This section contains settings for start addresses and a checkbox:
 - Start Addresses:
 - Coils: 0
 - Discrete Inputs: 0
 - Holding Register: 0
 - Input Register: 0
 - Holding- and Input-Register Data Areas overlay

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 Modbus TCP Device SL

Item number:

2303000020

Sales / Source of supply:

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

Included in delivery:

- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.4.0 or higher
Runtime System	CODESYS Control V3.5.4.0 or higher
Supported Platforms/ Devices	Note: Use the project "Device Reader" to find out the supported features of your device. "Device Reader" is available for free in the CODESYS Store.
Additional Requirements	<ul style="list-style-type: none"> • CODESYS Control runtime system on the device with SysSocket component • Available Ethernet adapter on the device
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.

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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