



CODESYS Edge Gateway for Linux

The CODESYS Edge Gateway is an extended CODESYS Gateway connecting the CODESYS Automation Server to CODESYS PLCs in a local network.

Product description

The CODESYS Edge Gateway allows the CODESYS Automation Server and all clients that establish a connection via the Automation Server (CODESYS, Webvisu/Browser) full access to all services provided by the runtime system via communication interfaces. It can be operated on a controller or on a stand-alone device in the local network.

Configuration of CODESYS Edge Gateway

The configuration of the CODESYS Edge Gateway is done by CODESYS Automation Server Connector (CODESYS plug-in). The URL of the CODESYS Automation Server is transferred to the CODESYS Edge Gateway and certificates for a secure TLS connection are calculated and exchanged.

The screenshot shows a dialog box titled "Connect Edge-Gateway". It is divided into three main sections:

- CODESYS Automation Server:** Contains a text input field for "Server URL".
- Edge Gateway Communication settings:** Contains a dropdown menu for "Gateways", a text input field for "Address", a text input field for "Port" (with the value "1217" entered), and a "Test Connection" button.
- Edge Gateway details saved on the CODESYS Automation Server:** Contains two text input fields for "Name" and "Description".

At the bottom of the dialog are "OK" and "Cancel" buttons.

Picture 1: Configuration of CODESYS Edge Gateways with CODESYS Automation Server Connector

Note: The communication between the CODESYS Automation Server Connector and the CODESYS Edge Gateway is unencrypted. The configuration of a CODESYS Edge Gateway must always be carried out in a secured network.

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 Edge Gateway for Linux

Item number:

000120

Sales / Source of supply:

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

Included in delivery:

- Setup file
- License agreement

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.16.0 or higher (Only required for the configuration of the gateway)
Runtime System	CODESYS Control V3.5.10.0 or higher
Supported Platforms/ Devices	<ul style="list-style-type: none"> • Debian- or Ubuntu-based Linux (32/64 Bit) • CPU: x86, x64, ARMv7, ARMv8
Additional Requirements	<ul style="list-style-type: none"> • Access to a CODESYS Automation Server • Installation of CODESYS Automation Server Connector plug-in • Reliable system clock on the target device running the CODESYS Edge Gateway.
Restrictions	Currently no support for CODESYS V2 PLCs.
Licensing	No license is required.



Required Accessories -

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.