



## CODESYS Online Configuration Change

Extended Online Change support for configuration changes on productive applications – without stopping or restarting the application.

### Product description

CODESYS Online Configuration Change extends the classic Online Change functionality with the ability to perform configuration changes on a running application – without having to stop or restart the application.

In the standard version, the Online Change feature is primarily limited to code changes in the application. For example, changes to the implementation, new GVLs, or new POUs.

CODESYS Online Configuration Change enables changes to application configurations that go beyond pure source code changes.

To clearly distinguish this new feature from the existing online change, the name “Online Configuration Change” is used.

### Already available free of charge Online Change support:

Some features already offer extended Online Change support and will remain available free of charge:

- Communication Manager and Symbol Configuration
- Changes to I/O mapping

### New Online Configuration Change features (license required):

This license unlocks the following extended Online Change functions:

- Alarm management
- Data sources
- Local I/O configuration
- PROFINET (Dynamic Reconfiguration)

### Online Change for Configuration Changes

CODESYS Online Configuration Change enables extended online changes in the following configuration areas:

- **Alarm management:** Changes to the alarm configuration can be performed during operation without restarting the application.
- **Data sources:** New data sources can be added during operation.
- **Local I/O configuration:** If supported by the driver of the local I/Os, changes to the local I/O configuration are transferred and applied via Online Change.

- **PROFINET:** Support for Dynamic Reconfiguration according to the PROFINET standard, allowing devices and modules to be added or removed during operation without interruption.

**Typical application scenarios:**

- Process automation: Changes to productive plants without production interruption
- Hybrid processes: Flexible adaptation of the configuration to changing requirements
- Machine building: Extended time savings through more Online Change options during commissioning
- Continuous operation: Systems that require uninterrupted operation

**Note:**

Due to the complexity of individual features such as alarm management, it is not possible to implement all conceivable changes as Online Change. In certain cases, a restart of the application may still be required. The development system informs users before download whether an Online Change is possible.

## 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 Online Configuration Change

### Item number:

2302000067

### Sales/Source of supply:

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

### Included in delivery:

License to unlock extended online change support for the following products and features:

- Alarm management
- Data sources
- Local I/O configuration
- PROFINET (Dynamic Reconfiguration)

## System requirements and restrictions

<b>Development system</b>	CODESYS Development System V3.5.22.0 or higher
<b>Runtime system</b>	CODESYS Control V3.5.22.0 or higher
<b>Add-ons</b>	<ul style="list-style-type: none"> <li>• CODESYS Communication V4.8.0.0 or higher</li> <li>• CODESYS Visualization V4.10.0.0 or higher</li> <li>• CODESYS PROFINET V4.8.0.0 or higher</li> </ul>
<b>Additional requirements</b>	The respective features (alarm management, data sources, OPC UA, PROFINET) must be available and licensed on the target system.
<b>Restrictions</b>	

Not all configuration changes can be transferred via online change. The development system informs the user before download whether an online change is possible.

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**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.

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**Required accessories**

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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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