



## CODESYS Key

The CODESYS Key is a USB dongle for secure storage of your software licenses based on CodeMeter® technology.

### Product description

The CODESYS Key is a USB dongle that allows the storage of up to 2000 licenses with different license models.

The CODESYS Key can be used for all license products available in the CODESYS Store:

- Workstation-based licenses
- subscription licenses
- Single device licences ('SL').

In addition, CodeMeter® licenses of other manufacturers can be stored in separate areas on the CODESYS Key.

### Protection features

With the help of the CODESYS Key it is possible to protect parts of the CODESYS application against unauthorized access by third parties.

The following protection functions are available:

- Project encryption to protect the source code of CODESYS applications
- Encryption of the CODESYS boot application to protect the executable code on the controller
- Access protection for libraries and application functions.

Further information and help can be found under the keyword "security" on the [CODESYS YouTube channel](#) and the [CODESYS Online Help](#).

### Differences to the SoftContainer solution integrated in CODESYS

	Software license container (SoftContainer)	CODESYS Key (dongle)
Advantages	<ul style="list-style-type: none"> <li>• No additional hardware required</li> <li>• No additional costs</li> <li>• No physical delivery necessary</li> <li>• Unlimited number of storable licenses</li> <li>• License usable immediately</li> <li>• No loss of license, e.g. in case of theft of a dongle</li> </ul>	<ul style="list-style-type: none"> <li>• License holder independent of the target device</li> <li>• Easy transfer of the license to another device</li> <li>• License remains valid even in case of defect of the device</li> <li>• Simple process of granting and withdrawing licenses</li> <li>• Number of storable licenses almost unlimited (approx. 4,000)</li> <li>• Use of the CODESYS Key also for security tasks (including project encryption)</li> </ul>
Disadvantages	<ul style="list-style-type: none"> <li>• No transfer of the license to another device</li> <li>• Loss of the license in case of a defect of the device</li> </ul>	<ul style="list-style-type: none"> <li>• Need for additional hardware and matching slot (USB)</li> <li>• Additional costs for key, shipping and customs fees (if applicable)</li> <li>• Waiting time before using the license until delivery of the CODESYS Key</li> <li>• Loss of the license in case of theft of the dongle</li> </ul>

### Functions

- License memory (up to 2000 licenses) of different software vendors using CodeMeter® technology
- CODESYS project encryption (source code)
- CODESYS boot application encryption (executable Code)
- Driverless installation without administrator rights
- Update mechanism for existing licenses
- Update mechanism for dongle firmware
- Safe internal clock

## General information

### Manufacturer:

3S-Smart Software Solutions GmbH  
 Memminger Strasse 151  
 87439 Kempten  
 Germany

### Support:

<https://support.codesys.com>

### Item:

CODESYS Key

### Item number:

2109000007

### Sales:

CODESYS Store

<https://store.codesys.com>

### Included in delivery:

CODESYS Key (USB dongle)

## System requirements and restrictions

<b>Programming System</b>	-
<b>Runtime System</b>	-
<b>Supported Platforms/ Devices</b>	See Wibu-Systems AG: <a href="#">CmStick/B.</a>
<b>Additional Requirements</b>	USB interface (HID)
<b>Restrictions</b>	-
<b>Licensing</b>	-
<b>Required Accessories</b>	-

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