SIEMENS

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# SIMATIC

# SIMATIC Automation Tool installation notes

**Installation Manual**

**V5.0 SP3, 04/2025**
A5E45044360-AM

## Legal information

### Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

**⚠ DANGER**

indicates that death or severe personal injury **will** result if proper precautions are not taken.

**⚠ WARNING**

indicates that death or severe personal injury **may** result if proper precautions are not taken.

**⚠ CAUTION**

indicates that minor personal injury can result if proper precautions are not taken.

**NOTICE**

indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

### Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

### Proper use of Siemens products

Note the following:

**⚠ WARNING**

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

### Trademarks

All names identified by ® are registered trademarks of Siemens Aktiengesellschaft. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

### Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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# Cybersecurity information

# 1

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial cybersecurity measures that may be implemented, please visit
https://www.siemens.com/cybersecurity-industry.

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under
https://new.siemens.com/cert.

# License terms and conditions

# 2

By installing the SIMATIC Automation Tool, you are agreeing to the End User License Agreement (EULA). You also accept the security information on safe operation of the product. By installing, you are also agreeing to the Open Source and Third Party License conditions. You can view these terms and conditions by running the full installation setup.

# Installation notes

# 3

## 3.1 Operating system and software support

### Microsoft Windows 64-bit operating systems support

The SIMATIC Automation Tool works with the following 64-bit operating systems:

- Windows 10 Home Version 22H2
- Windows 10 Professional Version 21H2
- Windows 10 Enterprise Version 21H2
- Windows 10 Enterprise Version 22H2
- Windows 10 Enterprise 1607 / 2016 LTSC
- Windows 10 Enterprise 1809 / 2019 LTSC
- Windows 10 Enterprise 21H2 / 2021 LTSC
- Windows 11 Home Version 21H2
- Windows 11 Home Version 22H2
- Windows 11 Professional Version 21H2
- Windows 11 Professional Version 22H2
- Windows 11 Enterprise Version 21H2
- Windows 11 Enterprise Version 22H2
- Windows 11 Enterprise Version 23H2
- Windows 11 Enterprise Version 24H2
- Windows Server 2016 Standard
- Windows Server 2019 Standard
- Windows Server 2022 Standard

Smart App Control must not be installed.

Siemens provides no guarantee that other versions work. Siemens does not provide technical support for other versions.

Install all Microsoft Security updates for your operating system as available.

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**NOTE**

**Windows 7 is not supported.**

You cannot install the SIMATIC Automation Tool on a Windows 7 computer.

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### Virtual machine software support

The SIMATIC Automation Tool works with the following VM (Virtual Machine) software:

- Microsoft Hyper-V Server 2019 or higher
- VMware vSphere Hypervisor (ESXi) 6.7 or higher
- VMware Workstation 12.5.5
- VMware Workstation 15.5.0 or higher
- VMware Player 12.5.5
- VMware Player 15.5.0 or higher

Siemens provides no guarantee that other versions work. Siemens does not provide technical support for other versions.

### Virus scanner and security software support

Siemens has verified that the SIMATIC Automation Tool works with the following virus scanner and security software:

- McAfee Endpoint Security (ENS) 10.7
- Qihoo 360 "Safe Guard 12.1" + "Virus Scanner"
- Trend Micro Apex One
- Windows Defender

The SIMATIC Automation Tool might work with other virus scanners or security software, but Siemens provides no guarantees.

### Language support

The SIMATIC Automation Tool user interface and User Guide provide the following languages:

- German
- English
- Spanish
- French
- Italian
- Chinese Simplified

### Communication

The SIMATIC Automation Tool communicates with Siemens devices using Ethernet.

### Siemens hardware support

The SIMATIC Automation Tool provides a device catalog that lists all of the devices and firmware versions that it supports. The device catalog is an Excel spreadsheet that you can access from the SIMATIC Automation Tool Help menu.

## 3.2 Operating environment

Apply the following Windows operating system settings:

- Disable hibernation mode when using the SIMATIC Automation Tool. Entering hibernation mode while online connections are open or while accessing project data through a network can cause errors.
- Set the power saving options for the operating system to never put the computer to sleep. This ensures that a timer does not automatically trigger hibernation. Do not manually trigger hibernation mode during a communication task.

## 3.3 About installation

### Overview of installation options

You can install the SIMATIC Automation Tool in one of the following ways:

- You can download the SIMATIC Automation Tool from Siemens Industry Online Support (Page 11). You can then install the product from the downloaded .exe file (Page 15). You can activate (Page 11) the free 21-day trial license (Page 9) and use all the features of the SIMATIC Automation Tool for 21 days. You can also activate a license that you have purchased.
- You can purchase, license, and download the SIMATIC Automation Tool from the Siemens Industry Mall (Page 12). The SIMATIC Automation Tool offers a Basic and Advanced (Page 9) license. Each license type enables specific features. You can install the SIMATIC Automation Tool from your downloaded .exe file (Page 15).

Further topics describe the steps to follow for each of the options.

### Installation rules

You can install only one version of the SIMATIC Automation Tool on a programming device.

The setup program for the SIMATIC Automation Tool checks for a previous installation and guides you accordingly:

- If no version of SIMATIC Automation Tool exists on your programming device, install the SIMATIC Automation Tool from the setup.
- If your programming device has a V2.x or previous version of the SIMATIC Automation Tool, use Windows Settings to uninstall the older version from the Apps & features. After you uninstall the previous version, start the setup again and install the SIMATIC Automation Tool.
- If a V3.0 or later installation exists on your programming device, select Modify/Upgrade to install the SIMATIC Automation Tool over the existing installation.

## 3.4 License types

The SIMATIC Automation Tool supports the following types of licenses:

- Trial 21-day license
- Basic
- Advanced

You can use the included trial 21-day trial license at no cost. After 21 days, to use many of the SIMATIC Automation Tool features you must purchase a Basic or Advanced license. Refer to the Installation notes for this product for information on purchasing a license.

The SIMATIC Automation Tool features that are available for each license type are as follows:

| Feature | No license or expired trial license | Basic license | Advanced license or 21-day trial license |
|---|---|---|---|
| Open a project | ✓ | ✓ | ✓ |
| Scan Network to fill the Device table with the accessible devices on the network. | ✓ | ✓ | ✓ |
| Filter a network scan | ✓ | ✓ | ✓ |
| Quick ping to detect the presence of a device on the network | ✓ | ✓ | ✓ |
| Insert a device | ✓ | ✓ | ✓ |
| Change CPU operating mode | ✓ | ✓ | ✓ |
| Show diagnostics | ✓ | ✓ | ✓ |
| Read service data | ✓ | ✓ | ✓ |
| Export PC data | ✓ | ✓ | ✓ |
| Export device information | ✓ | ✓ | ✓ |
| Export device diagnostics | ✓ | ✓ | ✓ |
| Set IP address | ✓ | ✓ | ✓ |
| Set PROFINET name | ✓ | ✓ | ✓ |
| Identify device on the network by flashing LEDs | ✓ | ✓ | ✓ |
| Support up to ten concurrent device operations (threads) | ✓ | ✓ | ✓[1] |
| Configure data protection | ✓ | ✓ | ✓ |
| Update program | ✓ | ✓ | ✓ |
| Update firmware | ✓ | ✓ | ✓ |
| Reset communication parameters | ✓ | ✓ | ✓ |
| Communicate to devices behind NAT Routers | ✓ | ✓ | ✓ |
| Communicate to devices through PROFINET CM (Communications Module) or CP (Communications Processor) | ✓ | ✓ | ✓ |
| Create full backup | HMI only | ✓ | ✓ |

| Feature | No license or expired trial license | Basic license | Advanced license or 21-day trial license |
|---|---|---|---|
| Back up HMI Recipes | HMI only | ✓ | ✓ |
| Back up HMI user administration data | HMI only | ✓ | ✓ |
| Restore device from backup | HMI only | ✓ | ✓ |
| Reset memory | | ✓ | ✓ |
| Reset to factory defaults | | ✓ | ✓ |
| Format memory card | | ✓ | ✓ |
| Set device time | | ✓ | ✓ |
| Read and delete Data Logs | | ✓ | ✓ |
| Create memory cards | | ✓ | ✓ |
| Schedule device operations | | | ✓ |
| Use card browser to access files on a SIMATIC memory card | | | ✓ |
| Insert multiple devices | | | ✓ |
| Create and open archives | | | ✓ |
| Assign F-addresses | | | ✓ |
| View CPU memory | | | ✓ |

The SIMATIC Automation Tool User Guide describes each of these features.

**NOTE**

**For owners of a previous license**

If you have a license for the SIMATIC Automation Tool prior to V5.0, you must upgrade to a V5.0 or higher license. Contact your salesperson for the correct upgrade license for your product.

## 3.5 Updating from the TIA Administrator

The installation includes the TIA Administrator. You can download future software updates from Siemens if your programming device is connected to the Internet.

If updates are available, you have the option to install the updates on your programming device.

Within the TIA Administrator, click "Manage Software" to search for and install updates.

# 3.6 Downloading from Siemens Industry Online Support

## Installing and using the SIMATIC Automation Tool

You can download the SIMATIC Automation Tool from the Siemens Industry Online Support (SIOS) Web page (https://support.industry.siemens.com/cs/us/en/view/98161300). Without a license, you can only use limited features. You can, however, use all of the features of the SIMATIC Automation Tool with the free 21-day trial license. To use the extended features after the 21-day trial period expires, you must purchase a Basic or Advanced license (Page 9).

To download the SIMATIC Automation Tool, follow these steps:

1. Double click the SIMATIC_Automation_Tool_<version>.exe file from the Siemens Industry Online Support Web page (https://support.industry.siemens.com/cs/us/en/view/98161300), where <version> represents the current release version. Then follow the on-screen directions. You have two choices on the download operation:
   - Save SIMATIC_Automation_Tool_<version>.exe to a location on your computer. If you do not specify a file location, Windows saves the file in your Downloads folder. You can later navigate to this location and double-click the .exe file to run the self-extracting installer.
   - Run the self-extracting installer.
2. Follow the procedure in Installing from the self-extracting .exe file (Page 15) to install the product.

## Activating the 21-day trial license

After you have successfully installed the SIMATIC Automation Tool, follow these steps to activate the trial license:

1. Launch the SIMATIC Automation Tool from the Start menu or other means. The SIMATIC Automation Tool displays an Automation License Management dialog.
2. From the Automation License Management dialog, select the SIMATIC Automation Tool trial license key.
3. Click the Activate button.

After you activate the trial license, you can use all of the features of the SIMATIC Automation Tool for 21 days.

If you skip activating the license, you can run the SIMATIC Automation Tool in unlicensed mode.

## Licensing the SIMATIC Automation Tool with a Basic or Advanced license

To access extended features of the SIMATIC Automation Tool beyond the 21-day free trial period, you must purchase a license from the Siemens Industry Mall (Page 12).

**NOTE**

**License remains after uninstalling**

If you have a license for the SIMATIC Automation Tool, the license remains on your programming device if you uninstall the SIMATIC Automation Tool.

You can use the Automation License Manager to transfer this license to another programming device if you choose.

## 3.7 Purchasing, licensing, and downloading the SIMATIC Automation Tool

### Obtaining a licensed version of the SIMATIC Automation Tool

Depending on your country, order the SIMATIC Automation Tool through your distributor or order directly from the Siemens Industry Mall. Customers within the United States must order from a distributor. Follow the procedures that your distributor or salesperson recommends to order the SIMATIC Automation Tool with either a Basic or Advanced license.

If you have a previous version of the SIMATIC Automation Tool, you can purchase an upgrade license.

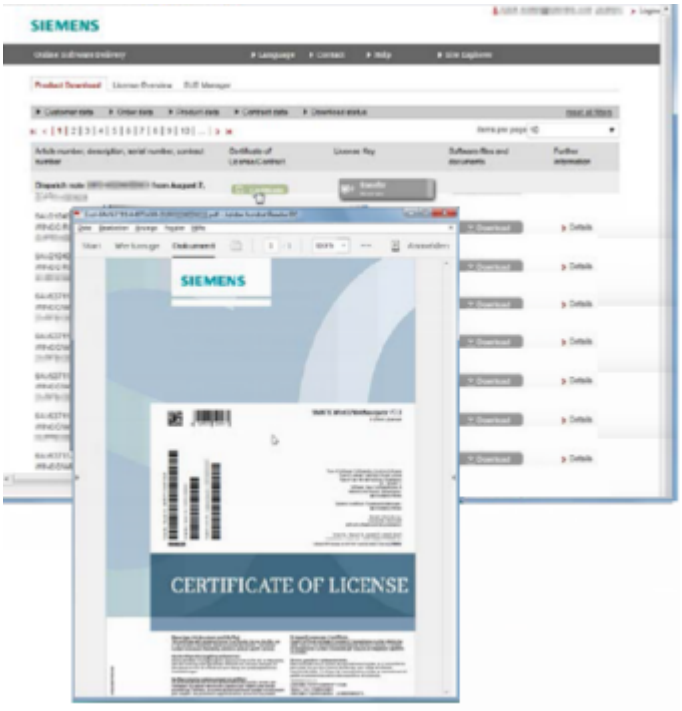
### Downloading the licensed version of the SIMATIC Automation Tool

After you order the SIMATIC Automation Tool, you will receive a delivery note email with a link to the Online Software Delivery (OSD) Web page (https://www.automation.siemens.com/swdl/Login) and step-by-step instructions for logging in and downloading the software. Your instructions are specific to your order. More information about using the OSD with your email instructions is available from this Web page (https://support.industry.siemens.com/cs/us/en/view/109476151).

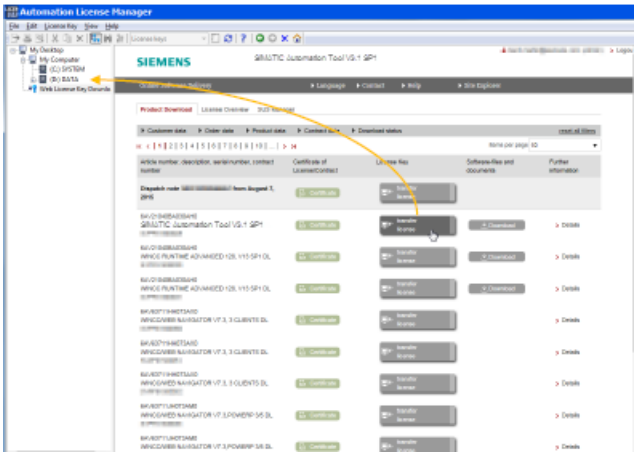
The Product Download tab of the Online Software Delivery Web page displays your purchased and licensed software products.

From the Product Download tab, follow these steps to download the license certificate and the SIMATIC Automation Tool:

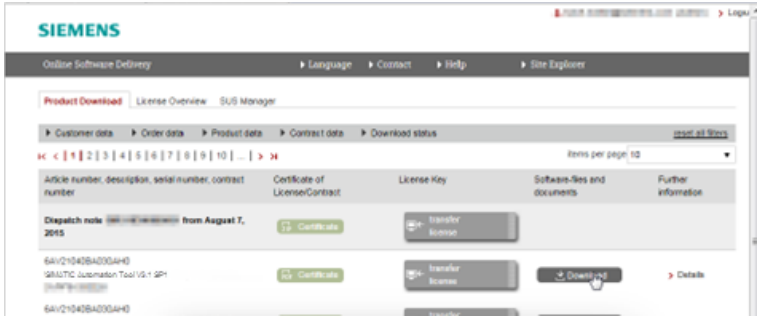
1. Click the "Certificate" button for the SIMATIC Automation Tool to display or save your certificate of license:




2. Use the Automation License Manager to transfer your Basic or Advanced license for the SIMATIC Automation Tool to your hard drive. Under the license key column header, drag the "transfer" box to a folder on your hard drive. Drop the transfer license key to a location on your programming device. The navigation tree on the left side of the Automation License Manager displays available locations.



3. Click the "Download" button to download the licensed SIMATIC Automation Tool to your programming device.




4. From the Download screen, you can download the self-extracting .exe file and supporting documents. You use the .exe file (Page 15) to install the SIMATIC Automation Tool.

Alternatively, you can download the self-extracting .exe file and supporting documents from the Siemens Industry Online Support (SIOS) website (https://support.industry.siemens.com/cs/ww/en/).

**NOTE**

If you have any problems with the purchasing, licensing, or download process, you can enter a support request from the Online Software Delivery Web page.

The SIMATIC Automation Tool is non-returnable and non-refundable after you download it.

## Verifying the integrity of the OSD file

To check the integrity of the SIMATIC Automation Tool OSD file you downloaded, you can use a mathematical procedure to create a hash value (checksum) of the file.

From the SIOS (https://support.industry.siemens.com/cs/ww/en/) product Web page for your release of the SIMATIC Automation Tool, download the checksum file. Note that this text file is separate from the OSD .exe file you previously downloaded. The text file contains the SHA-256 hash value for validating the SIMATIC Automation Tool OSD file.

Calculate the hash value of the OSD .exe file and compare it to the value specified in the SHA-256 file. To do this, you can use an external program or Windows PowerShell V4.0 or higher. To calculate the value from Windows PowerShell, use the following command, replacing 'filepath' with the path to the OSD .exe file:

```
get-filehash -algorithm sha256 'filepath' | Format-List
```

Compare the resulting value to the value in the SHA-256 text file and verify that the values match.

## 3.8 Installing from the self-extracting .exe file

To install the SIMATIC Automation Tool from the self-extracting .exe file, follow these steps:

1. If the setup is not already running, double-click the .exe file that you downloaded (Page 11).
2. Follow the displayed instructions to extract the files and install the SIMATIC Automation Tool. The SIMATIC Automation Tool setup guides you step by step through the installation process.

## 3.9 Uninstalling

Use the Windows Settings or Windows Control Panel to uninstall the product. You will find the product under Apps > Apps & Features in Windows Settings or under Programs and Features in the Windows Control Panel. Complete the instructions in the dialogs to completely uninstall the product and related components.

If you are using other Siemens products, do not uninstall shared components such as the following:

- TIA Administrator
- .NET Framework
- Microsoft Visual C++ Redistributable

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