

SIEMENS

SIMATIC

Engineering Tools S7-PLCSIM V18 SP1 installation notes

Readme

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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

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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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Prerequisites to installation

You must meet the following prerequisites before you install S7-PLCSIM:

- Your programming device must meet the hardware and software system requirements.
- You have administrator rights on the programming device.
- Exit or disable any running Siemens applications or other programs.

License requirements

You can install S7-PLCSIM without a license. To run S7-PLCSIM you must have one of the following licenses:

- STEP 7 Basic license
- STEP 7 Professional license
- S7-PLCSIM Advanced license

Hardware and software requirements

S7-PLCSIM has the same hardware and software requirements as the TIA Portal, with one exception. For acceptable performance, your programming device should have a quad core processor that is equal to, or better than, an Intel® Core™ i5-6440EQ Processor, up to 3.40 GHz.

Refer to the Installation section of the TIA Portal online help for details.

Installing S7-PLCSIM

S7-PLCSIM is included with the TIA Portal.
Prior to installing, exit any S7-PLCSIM applications that are running.

Installation process

Follow these steps to install S7-PLCSIM:

1. Insert the installation medium for S7-PLCSIM into your computer's DVD drive. The setup program starts automatically unless you have disabled Autoplay on the programming device. If the setup program does not start automatically, double-click the "Start.exe" file.
2. From the Setup dialog, select the language you want to use during installation.
 - If you want to read installation information, click "Read installation notes".
 - If you want to read the Readme file with product information, click "Read product information".
 - Click Next to proceed.
3. Select the languages to install and click Next.
4. Select or deselect the products to install. Click "Browse" if you want to change the default installation path. The path name can contain a maximum number of 89 characters. Do not use Unicode characters such as Chinese characters in the installation path. Note that if you change the installation path, the desktop shortcut icon might not display correctly. When finished, click Next.
5. To continue installation, select both check boxes at the bottom of the dialog and click Next.
6. From the Security Control dialog, review the security and permissions settings. Select the check box at the bottom of the dialog and click Next.
7. The overview screen displays your installation details. Click the "Install" button to install S7-PLCSIM on your programming device.
8. You must reboot your computer after the setup completes. Select "Yes, restart my computer now." to restart the computer immediately, or select "No, I will restart my computer later." to postpone rebooting.
9. Click "Restart." If the computer does not restart, click "Exit" and perform the reboot from the Windows start menu.

Modifying S7-PLCSIM

You can modify your S7-PLCSIM installation to change the installed language or to add languages.

Requirements for modifying the installation

Be sure you meet the following conditions before you begin to modify the installation:

- Your hardware and software meet the system requirements.
- You have administrator privileges on the installation computer.
- No other programs are running.

Procedure to modify the installation

Follow these steps to modify your S7-PLCSIM installation:

1. Insert the installation disk into your disk drive. The setup program starts automatically unless you have disabled Autoplay on the programming device.
2. If the setup program does not start automatically, start it manually by double-clicking the "Start.exe" file.
3. Follow the prompts until you reach the Configuration window. Select the "Modify Upgrade" option button.
4. Continue to follow the prompts to modify your installation.
5. Restart your computer to finish the installation process.

NOTE

You cannot change the target directory because you are modifying an existing installation.

Repairing S7-PLCSIM

Use the S7-PLCSIM disk to repair your installation.

Requirements for repairing the installation

Be sure you meet the following conditions before you begin the repair process:

- Your hardware and software meet the system requirements.
- You have administrator rights on the installation computer.
- No other programs are running.

Procedure to repair the installation

Follow these steps to repair your installation:

1. Insert the installation disk into your disk drive. The setup program starts automatically unless you have disabled Autoplay on the programming device. If the setup program does not start automatically, start it manually by double-clicking the "Start.exe" file.
2. Follow the prompts until you reach the Configuration window. Select the "Repair" option button.
3. Continue to follow the prompts to repair your installation.
4. Restart your computer to finish the repair process.

Uninstalling S7-PLCSIM

You have two options for removing S7-PLCSIM from your computer system:

- Use Windows to remove the program.
- Remove the program by using the installation disk.

Removing S7-PLCSIM using the installation disk

To remove S7-PLCSIM using the installation disk, follow these steps:

1. Insert the installation disk into your disk drive. The setup program starts automatically unless you have disabled Autoplay on the programming device. If the setup program does not start automatically, start it by double clicking the "Start.exe" file.
2. Follow the prompts until you have an opportunity to select "Uninstall".
3. Continue to follow the prompts to uninstall S7-PLCSIM.
4. Restart your computer to complete the uninstall process.

Security information

Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit (<https://www.siemens.com/industrialsecurity>).

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 customers' exposure to cyber threats.

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