

SIEMENS EDA

ODB++ Viewer Installation Guide

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Chapter 1

ODB++ Viewer Installation

This document provides instructions for installing the ODB++ Inside for Cadence Allegro software on a supported operating system.

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Running the Installer

As you run the installation wizard, you must specify the location of the ODB++ Viewer directory.

Restrictions and Limitations

No special characters other than Underscore (`_`) and Dash (`-`) are allowed in the installation path.

Prerequisites

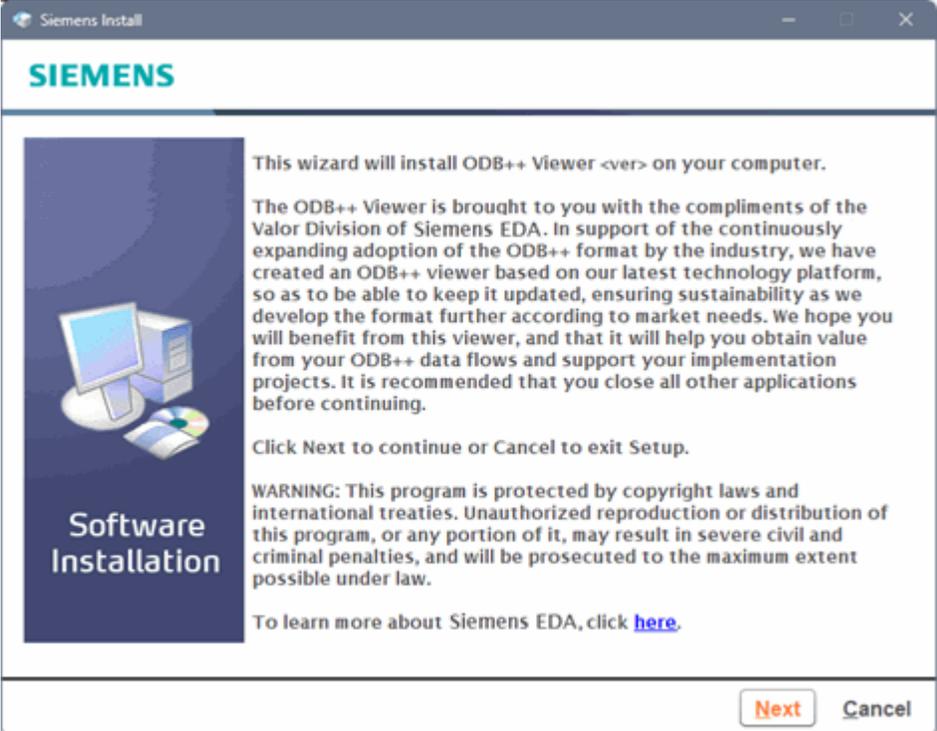
Access to the latest installation package *odb-plus-plus-viewer-64-bit.zip*.

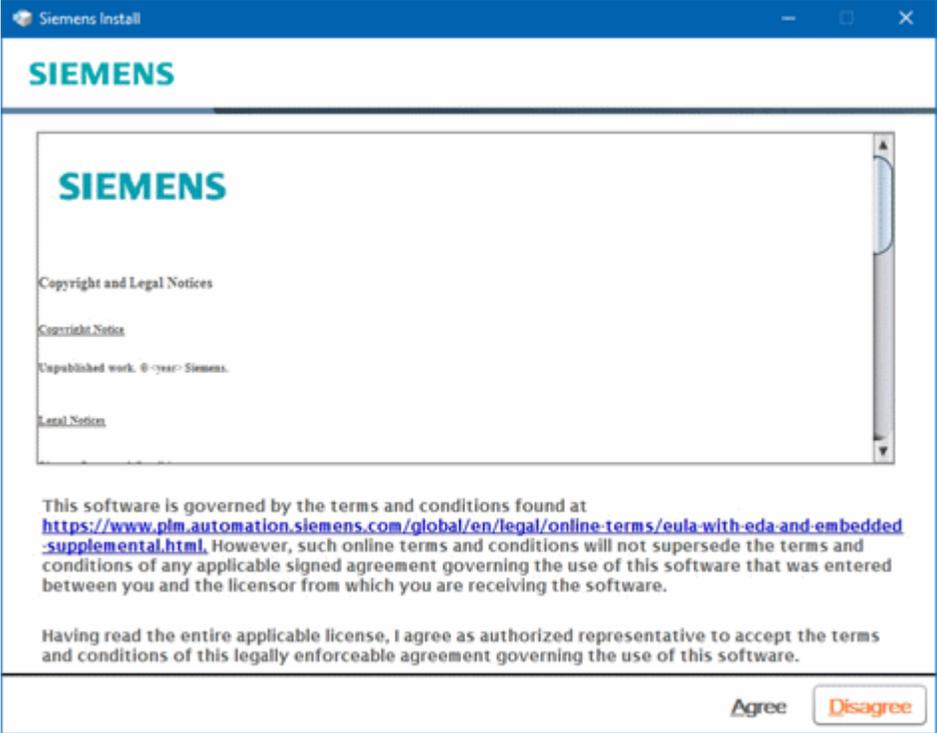
Procedure

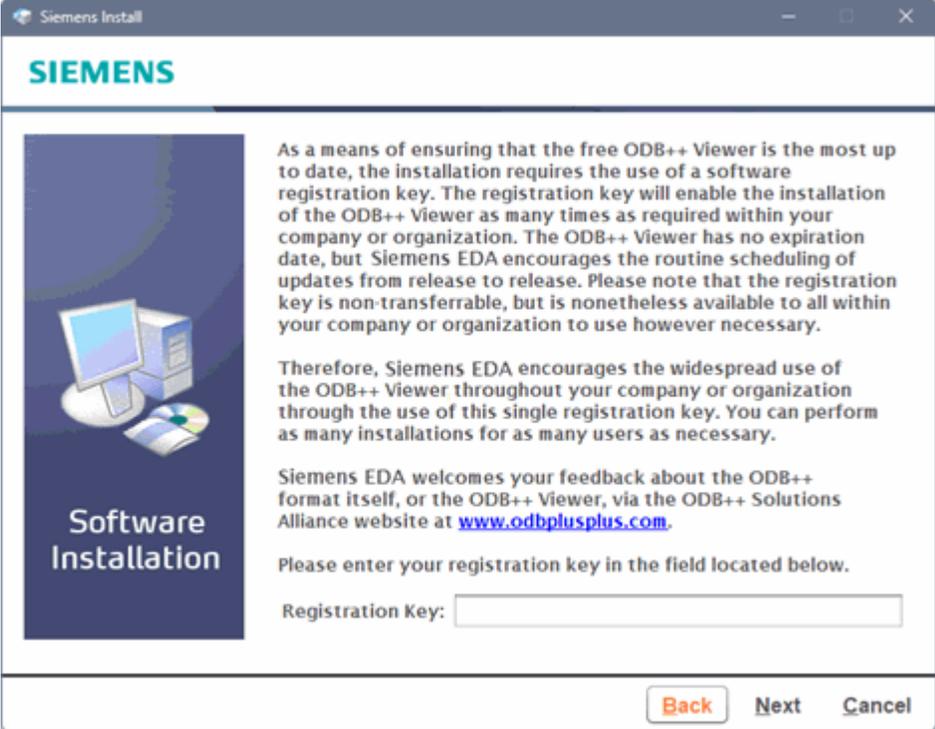
1. Log in with administrator rights.
2. Close all open applications.
3. Extract the content of the ODB++ Viewer installation package to a local disk.
4. Within the extracted content, locate and run the installer executable:

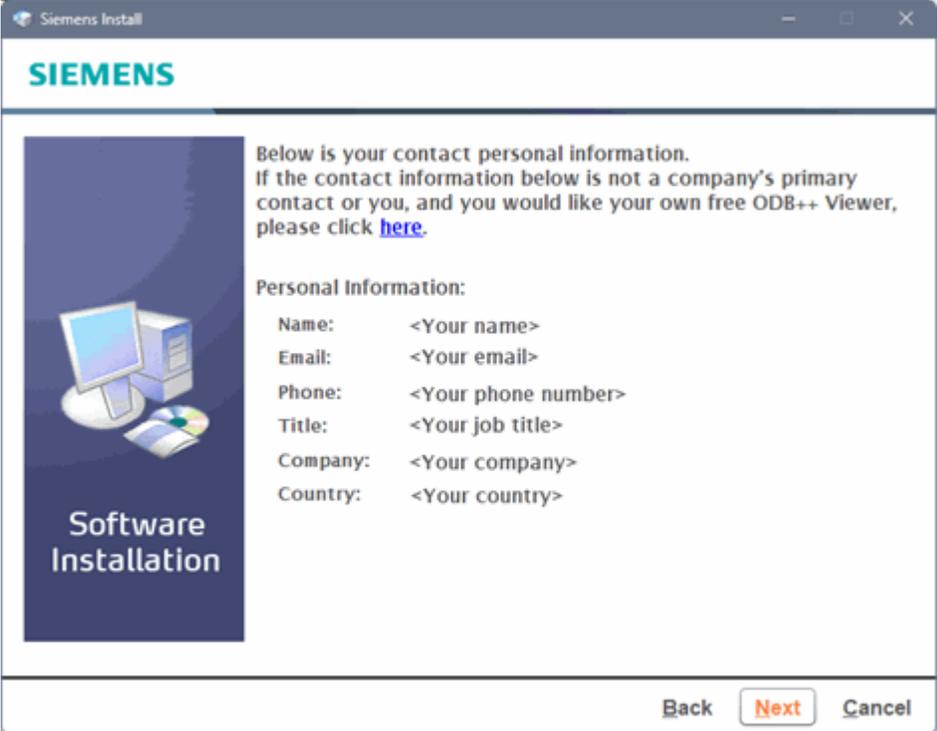
ODB_Viewer_<ver>_Windows_64_SA_Setup.exe

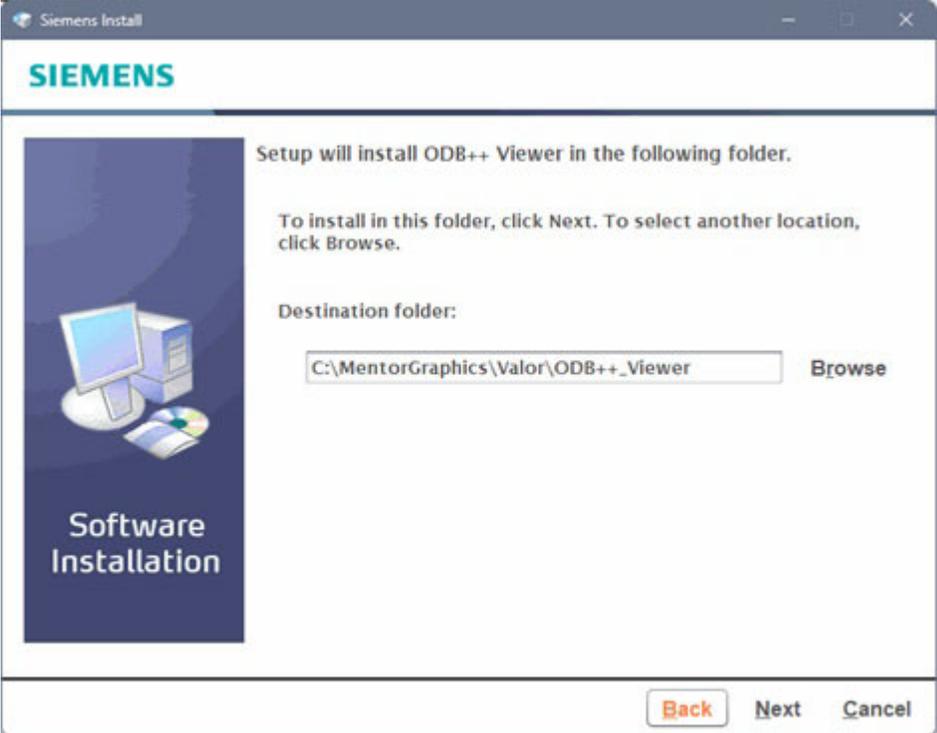
5. Provide the information requested by the wizard:

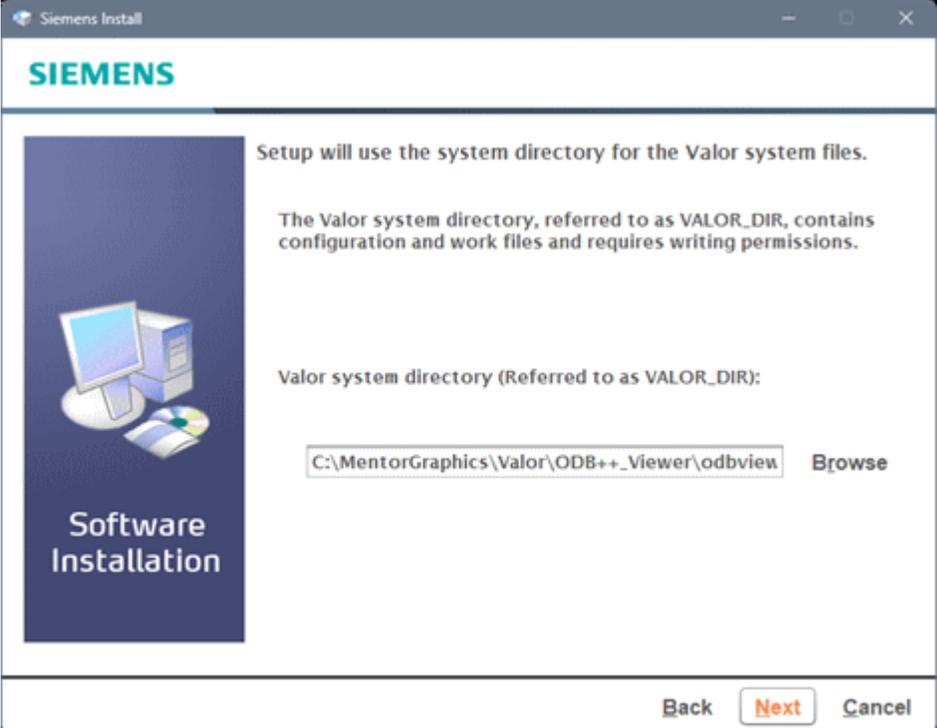
Page	Description
Welcome page	<p>Read the warning and click Next.</p> 

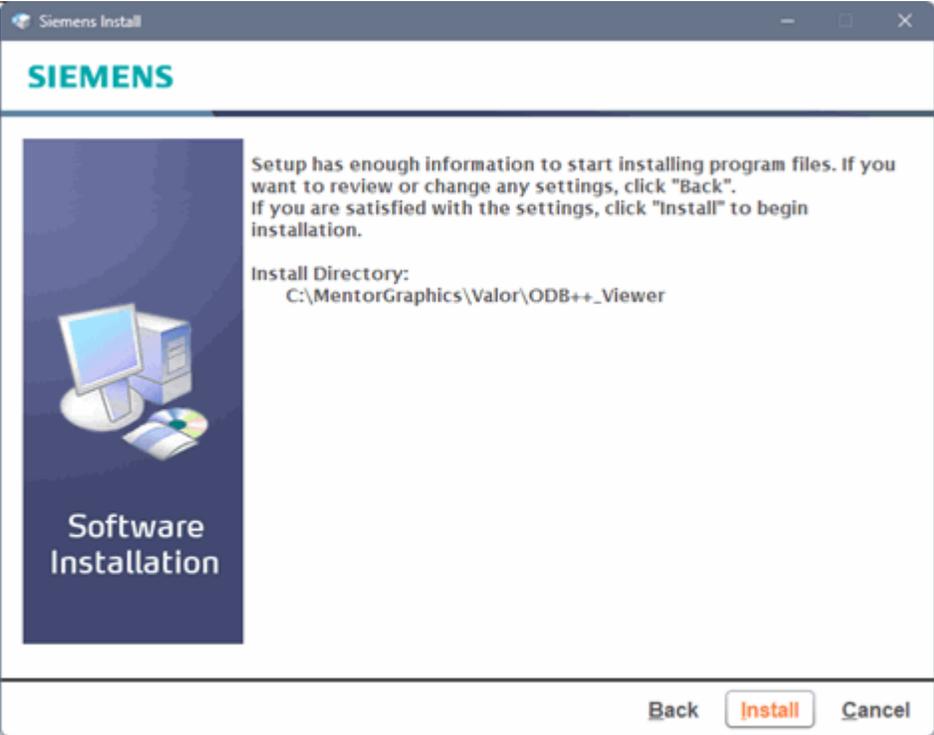
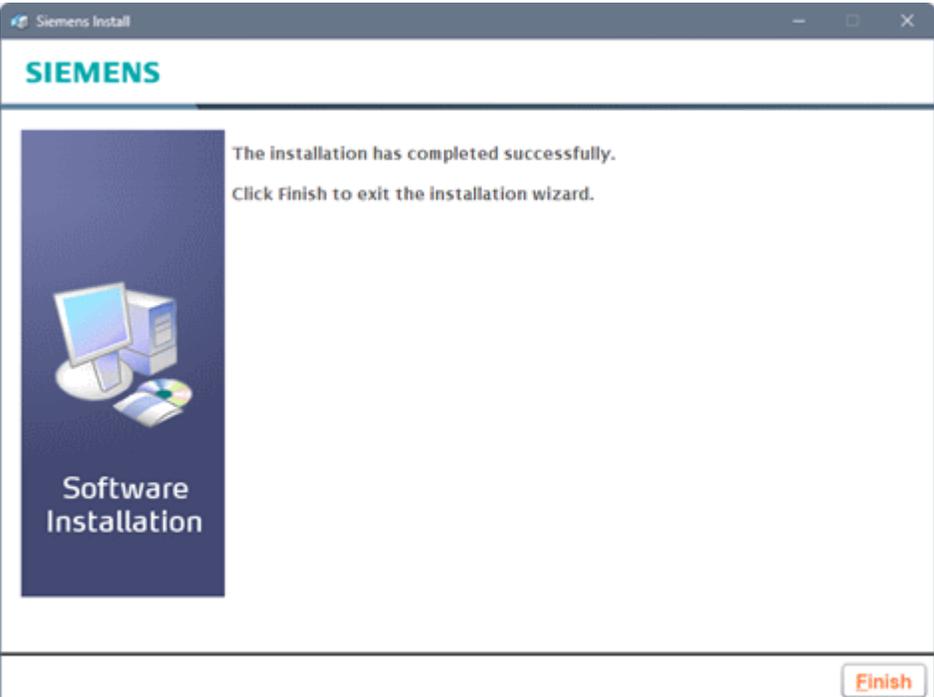
Page	Description
Copyright and Legal Notices	<p>Carefully read and click Agree to accept the license agreement.</p>  <p>This software is governed by the terms and conditions found at https://www.plm.automation.siemens.com/global/en/legal/online-terms/eula-with-eda-and-embedded-supplemental.html. However, such online terms and conditions will not supersede the terms and conditions of any applicable signed agreement governing the use of this software that was entered between you and the licensor from which you are receiving the software.</p> <p>Having read the entire applicable license, I agree as authorized representative to accept the terms and conditions of this legally enforceable agreement governing the use of this software.</p> <p><input type="button" value="Agree"/> <input type="button" value="Disagree"/></p>

Page	Description
Software Registration	<p>Provide the registration key:</p> <ol style="list-style-type: none">1. Within the folder to which you extracted the installation package, open the <i>readme.txt</i> file in a text editor.2. Locate the Registration Key value and copy it into the wizard. 

Page	Description
Contact Personal Information	<p>Verify that the contact information is correct.</p> <p>If required, register a new installation of ODB++ Viewer:</p> <ol style="list-style-type: none"> 1. Click the link to access a blank Download Form in the browser. 2. Type in the required information and click Free Download. 3. Copy the new registration key to clipboard. 4. In the wizard, click Back and paste the copied value into the Registration Key field.  <p>The screenshot shows a window titled 'Siemens Install' with the Siemens logo at the top. Below the logo is a dark blue box with an illustration of a computer monitor, tower, and CD/DVD, labeled 'Software Installation'. To the right of this box, the text reads: 'Below is your contact personal information. If the contact information below is not a company's primary contact or you, and you would like your own free ODB++ Viewer, please click here.' Below this is a section titled 'Personal Information:' with the following fields: Name: <Your name>, Email: <Your email>, Phone: <Your phone number>, Title: <Your job title>, Company: <Your company>, and Country: <Your country>. At the bottom right of the window are three buttons: 'Back', 'Next' (highlighted in orange), and 'Cancel'.</p>

Page	Description
ODB++ Viewer Installation Directory	<p>Specify the location where the ODB++ Viewer application will be installed. Use the default location, or browse to a different location, and click Next.</p> 

Page	Description
<p>Valor System Directory (VALOR_DIR)</p>	<p>System, configuration, and work files are stored in a directory called Valor System Directory referred to as VALOR_DIR.</p> <p>This directory can be installed locally or on a central computer, in a location available for read and write access by all ODB++ Viewer users.</p> <p>Use the default location or browse to a different location and click Next.</p> 

Page	Description
Installation Ready	<p>Check the path to the install directory. If necessary, click Back to review or change any settings. When satisfied, click Install.</p> 
Installation Completed	<p>Click Finish.</p> 

Results

Refer to the *ODB++ Viewer User Guide* for instructions on how to interactively review ODB++D product models.

Installation Directory Structure

The ODB++ Viewer installation results in files stored in several directories.

- **ODB++ Viewer Installation Directory** — The location where ODB++ Viewer Application Directories for each version are installed.

Default path:

C:\MentorGraphics\ODB++_Viewer

- **ODB++ Viewer Application Directory** — Contains ODB++ Viewer executables and other installed files, and cannot be altered by the user. The directory naming is version-specific.

Default path:

<ODB++ Viewer Installation Directory>\odbviewer_<ver>

The environment variable `VALOR_EDIR` points to the *edir* subdirectory under the ODB++ Viewer Application Directory.

The file `%VALOR_EDIR%\env_file` contains Valor environment variables set during installation. The settings defined in this file are not overwritten during an upgrade.

- **Valor System Directory (VALOR_DIR)** — Contains system, configuration, and work files. This directory can be installed locally or in a remote location accessible for reading and writing by all users.

The environment variable `VALOR_DIR` points to this location.

Default path:

<ODB++ Viewer Installation Directory>\odbviewer_dir

- **Valor Home Directory (VALOR_HOME)** — Once the user starts working with ODB++ Viewer, a directory named *.genesis* is created under `VALOR_HOME` to store user-level configuration files.

The environment variable `VALOR_HOME` points to this location.

Default path:

<ODB++ Viewer Installation Directory>\odbviewer_dir

- **Valor Temporary Directory (VALOR_TMP)** — The directory where the system creates volatile, temporary files.

The environment variable VALOR_TMP points to this location.

Default path:

<ODB++ Viewer Installation Directory>\odbviewer_dir\tmp

Troubleshooting the ODB++ Viewer Installation

These issues might be encountered during or after ODB++ Viewer installation.

Issue	Explanation
TCP/IP errors in stand-alone mode	<p>ODB++ Viewer requires that TCP/IP be installed even on stand-alone computers. Make sure that TCP/IP networking is installed, and that there is a network adapter for TCP/IP.</p> <ul style="list-style-type: none"> • If TCP/IP is not installed, install it. • If no network adapter is installed, install one. • If the computer has no network card, install MS Loopback adapter.
File Not Found when loading the system	<p>If the system does not load, check that the QT shared library file is available at the appropriate location:</p> <p><i>%VALOR_EDIR%\nv\deps\valor_qt_514</i></p>
Sort and find commands fail when run from scripts	<p>The sort and find commands are built into Windows in <i>/winnt/system32</i>. If they fail, perform one of these actions:</p> <ul style="list-style-type: none"> • Put the string <i>%VALOR_EDIR%\nv\bin</i> in your path before <i>\winnt\system32</i> • Alias sort to <i>%VALOR_EDIR%\nv\bin\sort</i> in startup scripts. Alias find to <i>%VALOR_EDIR%\nv\bin\find</i> in startup scripts.

