

SIEMENS EDA

ODB++ Inside for Cadence® Allegro® System Requirements

Software Version 2604

April 2026

Unpublished work. © 2026 Siemens

This Documentation contains trade secrets or otherwise confidential information owned by Siemens Industry Software Inc. or its affiliates (collectively, "Siemens"), or its licensors. Access to and use of this Documentation is strictly limited as set forth in Customer's applicable agreement(s) with Siemens. This Documentation may not be copied, distributed, or otherwise disclosed by Customer without the express written permission of Siemens, and may not be used in any way not expressly authorized by Siemens.

This Documentation is for information and instruction purposes. Siemens reserves the right to make changes in specifications and other information contained in this Documentation without prior notice, and the reader should, in all cases, consult Siemens to determine whether any changes have been made.

No representation or other affirmation of fact contained in this publication shall be deemed to be a warranty or give rise to any liability of Siemens whatsoever.

If you have a signed license agreement with Siemens for the product with which this Documentation will be used, your use of this Documentation is subject to the scope of license and the software protection and security provisions of that agreement. If you do not have such a signed license agreement, your use is subject to the Siemens Universal Customer Agreement, which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/base/uca/>, as supplemented by the product specific terms which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/supplements/>.

SIEMENS MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY. SIEMENS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, LOST DATA OR PROFITS, EVEN IF SUCH DAMAGES WERE FORESEEABLE, ARISING OUT OF OR RELATED TO THIS DOCUMENTATION OR THE INFORMATION CONTAINED IN IT, EVEN IF SIEMENS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TRADEMARKS: The trademarks, logos, and service marks (collectively, "Marks") used herein are the property of Siemens or other parties. No one is permitted to use these Marks without the prior written consent of Siemens or the owner of the Marks, as applicable. The use herein of third party Marks is not an attempt to indicate Siemens as a source of a product, but is intended to indicate a product from, or associated with, a particular third party. A list of Siemens' Marks may be viewed at: <https://www.sw.siemens.com/en-US/trademarks/>. The registered trademark Linux® is used pursuant to a sublicense from LMI, the exclusive licensee of Linus Torvalds, owner of the mark on a world-wide basis.

About Siemens Digital Industries Software

Siemens Digital Industries Software is a global leader in the growing field of product lifecycle management (PLM), manufacturing operations management (MOM), and electronic design automation (EDA) software, hardware, and services. Siemens works with more than 100,000 customers, leading the digitalization of their planning and manufacturing processes. At Siemens Digital Industries Software, we blur the boundaries between industry domains by integrating the virtual and physical, hardware and software, design and manufacturing worlds. With the rapid pace of innovation, digitalization is no longer tomorrow's idea. We take what the future promises tomorrow and make it real for our customers today. Where today meets tomorrow. Our culture encourages creativity, welcomes fresh thinking and focuses on growth, so our people, our business, and our customers can achieve their full potential.

Support Center

Log in to Support Center to access software downloads and updates, product and release documentation, Knowledge Base articles, videos, other self-service resources, and to open support cases: <https://support.sw.siemens.com>.

If you do not have a Support Center login, register here: <https://support.sw.siemens.com/register>.

To send feedback on documentation: https://support.sw.siemens.com/doc_feedback_form.

Table of Contents

- ODB++ Inside System Requirements..... 1
 - Hardware and Software Requirements..... 2
 - Compatible Releases..... 3
 - Supported Operating Systems for ODB++ Inside.....4

List of Tables

Table 1-1: Typical Hardware Requirements for ODB++ Inside.....	2
Table 1-2: Software Requirements for ODB++ Inside.....	2

ODB++ Inside System Requirements

This document defines the minimum requirements and provides guidelines for the successful installation and operation of the ODB++ Inside software integrated with Cadence® Allegro®.

Release documents are located at the top level of the install package and on the Downloads page of the ODB++Design website—refer to this page for the most up-to-date information, including the changes added after the release:

<https://odbplusplus.com/design/downloads/odb-d-inside>

Hardware and Software Requirements

Computers on which ODB++ Inside is installed should meet the following requirements.

Table 1-1: Typical Hardware Requirements for ODB++ Inside

Requirement	Description
Disk space	<p>Database mode — Minimum 80 GB of free disk space (SSD recommended). Required space depends on the average size of product models and the number of models in production.</p> <p>Direct mode — Disk space requirements are lower, as product data can be stored on the network or external storage rather than locally.</p>
Processor	<p>4-core CPU, 2.6 GHz or higher.</p> <p>All Windows and Linux OS variants run on Intel or AMD x86 or x64 processors. In the past, the processor GHz speed determined the performance, but recent changes in the internal architecture of both Intel and AMD processors have made these comparisons difficult. Therefore, the following recommendations are being made for all Windows and Linux systems:</p>
Memory	Recommended 16 GB or more for 64-bit systems.
Graphics	A discrete graphics card with dedicated memory is recommended for optimal 3D visualization.
Network	The appropriate network adapters must be installed.

Table 1-2: Software Requirements for ODB++ Inside

Requirement	Description
Network	Shared folders must be available.
Web browser	<p>For best experience with links and web-rendered actions, we recommend using the latest browsers available in the market.</p> <p>Internet Explorer is no longer supported.</p>

Compatible Releases

This ODB++ Inside release is compatible with several Cadence Allegro versions.

Product	Versions
Cadence Allegro	24.1, 25.1

Supported Operating Systems for ODB++ Inside

This release of ODB++ Inside has been tested and qualified on the platforms listed below.

- Windows 11 x64
- Windows Server 2022 x64
- Windows Server 2025 x64
- Linux RHEL/Rocky 8.10 x64
- Linux RHEL/Rocky 9.4 x64
- Linux RHEL/Rocky 9.6 x64
- Linux SUSE 15.6 x64

General Notes

- Specified patches below are minimum levels. Later versions of the patches are valid, supported configurations.
- Except as noted, all products are supported on all platforms.

Microsoft Windows 11

Microsoft Windows 11 Enterprise is supported.

Patches

- 23H2
- 24H2
- 25H2

Windows Server 2022

Patches

- 23H2
- 24H2
- 25H2

Windows Server 2025

Patches

- 24H2
- 25H2

Red Hat Enterprise Linux WS 8 (RHEL/Rocky 8.10)

Several RPM packages and all of their dependencies need to be loaded on the RHEL 8 machines. (Both 64-bit and 32-bit packages should be loaded on a 64-bit machine where possible.) Most of the packages are available on the Red Hat media, but some* require a registered Red Hat Network to obtain:

- Kernel version 4.18.0-*
- OpenSSL 3.1.5
- PackageKit-gtk3-module
- compat-openssl10
- dmidecode
- dos2unix
- elfutils-libelf
- glib2
- gtk2
- libSM
- libX11
- libXau
- libXdmcpc
- libXft
- libXinerama
- libXmu
- libXrandr
- libaio
- libcanberra-gtk2
- libcap
- libjpeg-turbo
- libnsl
- libnsl.so.2
- libpng
- libpng12

- libpng15
- libstdc++
- libtiff
- libxcb
- libxcb-cursor0-0.1.3-150400.3.2.3.x86_64.rpm
- libxslt
- mesa-dri-drivers
- mesa-libGL
- mesa-libGLU
- ncurses-libs
- nspr
- numactl
- numactl-libs
- openldap
- redhat-lsb
- tcsh
- xcb-util-image
- xcb-util-keysyms
- xcb-util-renderutil
- xcb-util-wm
- xorg-x11-server-Xvfb

Red Hat Enterprise Linux WS 9 (RHEL/Rocky 9.4, 9.6)

Several RPM packages and all of their dependencies need to be loaded on the RHEL 9 machines. (Both 64-bit and 32-bit packages should be loaded on a 64-bit machine where possible.) Most of the packages are available on the Red Hat media, but some* require a registered Red Hat Network to obtain:

- Kernel version 4.18.0-*
- OpenSSL 3.1.5
- PackageKit-gtk3-module
- compat-openssl10
- dmidecode
- dos2unix

- elfutils-libelf
- glib2
- gtk2
- libSM
- libX11
- libXau
- libXdmcp
- libXft
- libXinerama
- libXmu
- libXrandr
- libaio
- libcanberra-gtk2
- libcap
- libjpeg-turbo
- libnsl
- libnsl.so.2
- libpng
- libpng12
- libpng15
- libstdc++
- libtiff
- libxcb
- libxcb-cursor0-0.1.3-150400.3.2.3.x86_64.rpm
- libxslt
- mesa-dri-drivers
- mesa-libGL
- mesa-libGLU
- ncurses-libs
- nspr
- numactl
- numactl-libs

- openldap
- redhat-lsb
- tcsh
- xcb-util-image
- xcb-util-keysyms
- xcb-util-renderutil
- xcb-util-wm
- xorg-x11-server-Xvfb

SuSE Linux Enterprise Server and Desktop (SLES 15.6)

OS Version

```
$ uname -rs
Linux 4.12.* [Varies by patch level]
```

Windowing System

```
$ /bin/rpm -q gdm
$ /bin/rpm -q xorg-x11-server
```

RPMs Required

The following RPMs are required from the SLES distribution. The presence of each rpm can be checked with the "rpm -q <name_of_rpm>" command. Versions will vary depending on the OS version and subsequent patches.

Packages required for SuSE 15.5, 15.6 Systems With Kernel 4.12.14*

- Gdm-3 (Gnome Desktop Mgr)
- OpenSSL 3.1.5
- bc 1.07
- libGLU1
- libGLU1-32bit
- libXdmcp6
- libXdmcp6-32bit
- libXtst6

- libXtst6-32bit
- libexpat1 (Expat Libraries)
- libexpat1-32bit-2
- libgthread-2_0-0
- libgthread-2_0-0-32bit
- libjpeg.so.62
- libnsl.so.2
- libpng12-0
- libpng12-0-32bit
- libstdc++6 (Compat C++ Libraries)
- libstdc++6-32bit
- libxcb-cursor0-0.1.3-150400.3.2.3.x86_64.rpm
- lsb5
- tcsh
- xorg-x11-server (X Windows)

Minimum Required OS Patches

None.

Kernel Parameters

No changes required.