SIEMENS EDA

ODB++ Inside for Cadence® Allegro® System Requirements

Software Version ODB++ Inside for Cadence Allegro 2610
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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

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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	**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. **Direct mode** — Disk space requirements are lower, as product data can be stored on the network or external storage rather than locally.
Processor	4-core CPU, 2.6 GHz or higher. 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:
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	For best experience with links and web-rendered actions, we recommend using the latest browsers available in the market. Internet Explorer is no longer supported.

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Compatible Releases

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

Product	Versions
Cadence Allegro	24.1, 25.1

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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 9.6 x64
- Linux RHEL/Rocky 9.8 x64
- Linux SUSE 15.7 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

- 25H2

Windows Server 2022

Patches

- 25H2

Windows Server 2025

Patches

- 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:

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- 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

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- 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 9.6, 9.8)

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

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- 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

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- xorg-x11-server-Xvfb

SuSE Linux Enterprise Server and Desktop (SLES 15.7)

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 15.7 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

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- 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)

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