

SIEMENS EDA

ODB++ Viewer Release Notes

Software Version 2604

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ODB++ Viewer Release Notes

This document provides a high-level summary of the corrected defects and enhancements in the ODB++ Viewer 2604 release.

Release documents are located 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-viewer>

Before you install the software, be aware of the following:

- Starting with the 2504 release, the default path for new installations is *C:\SiemensEDA\Valor*. When upgrading from ODB++ Viewer version 2409, the software retains the existing directory, typically *C:\MentorGraphics\Valor*. However, if you upgrade from a version earlier than 2409 and select the default path for the VALOR_DIR directory, you must copy the contents of your previous VALOR_DIR directory to the new location to retain access to your system data. See [Migrating VALOR_DIR Data During a Software Upgrade](#) in *ODB++ Viewer Installation Guide*.
- The ODB++ Viewer Documentation InfoHub has been deprecated. Product documentation remains included with the installation, and you can access it by pressing F1 from the active window. The HTML toolbar contains controls with tooltips displaying the titles of relevant topics or books:
 - The Table of Contents button provides a link to the parent section, up to the *docs* directory that lists all the installed books.
 - The navigation arrows enable moving to the next or previous topic within the current book.

Enhancements in ODB++ Viewer 2604

This version adds improved functionality.

- ENG-294113 — Feature Information window should include a textual description of the assigned IPC 4761 via type.

The values of the IPC-4761 Top/Bottom Via Type attributes in the Feature Information dialog box are followed by a textual indication of the assigned type.

Enhancements in Earlier Versions

This section lists new features and improvements introduced ODB++ Viewer since version 2305.

Enhancements in ODB++ Viewer 2510

- EBS-167795 — Make the Select action the default in the graphic area.
Implemented. The default action on window opening has been changed from Zoom Area to Select.
- EBS-167796 — Replicate the behavior of the middle mouse button to Esc (keyboard).
Implemented. The Esc key now cancels or reverses actions in the graphic area.

Enhancements in ODB++ Viewer 2403

- EBS-152449 — Change the ODB++ Viewer installer to remove the registration key processes.
Registration key is no longer required to install and run ODB++ Viewer.

Enhancements in ODB++ Viewer 2305

- EBS-141075 — Enable separation of software component from other ODB++ Viewer components.
The installer supports manual selection of the VALOR_DIR directory for storing configuration and work files that require write permissions.
- EBS-145184 — Read and Save component risk value. Display in Component Information.
The “VPL INFO” section of the Component Information dialog box now displays the component solderability risk. The value is calculated in the VPL based on the physical characteristics of the package.
- EBS-146014 — Display the Component and lead size and tolerances in the graphic area.
New options have been added in the Component Display Options dialog box to support the display of the size and dimensional tolerances for VPL package body and leads.

Problems Fixed in ODB++ Viewer 2604

No issues were corrected in this release.

Problems Fixed in Earlier Versions

This section lists defects fixed in ODB++ Viewer since version 2403.

Problems Fixed in ODB++ Viewer 2510

- EBS-164092 — Incorrect conversion of SIPs when reading ODB++.
Resolution: Fixed.
- EBS-166661 — Standard square toeprint displays as a large triangle when rotated non-orthogonally.

Resolution: Fixed.

- EBS-167083 — Failure to read data stored on a UNC path.

Resolution: Fixed. Double slashes and other special characters in file paths are now processed correctly.

Problems Fixed in ODB++ Viewer 2504

- EBS-156989 — Layer read failure due to missing line symbols.

Resolution: Fixed.

- EBS-162491 — Copper Thickness field displays extra decimal places for values in metric units.

Resolution: Fixed.

- EBS-162626 — The color of layers with type "power_ground" and subtype "pg_flex" is incorrect in the Matrix.

Resolution: Fixed.

- EBS-164548 — Import fails for a product model with missing component data.

Resolution: Fixed. Missing component layers and EDA files are now handled by creating an EDA entity with default packages, ensuring the job can be read and saved without errors.

Problems Fixed in ODB++ Viewer 2409

- EBS-150194 — Error message (num_jobs_list > 0) at D:\anthill3\var\jobs\projects\400867_4852861\s_dev\code\get\get_clipb.c 13206 appears in the log.

Resolution: Fixed. Redundant log entries from an empty job list have been eliminated.

- EBS-152996 — Internal error while reading odb++ product model -gen_txt-6003..

Resolution: Fixed. The error message now provides the full path to the missing or corrupted file. The mouse cursor is restored after the error is processed.

- EBS-158553 — ODB++ Viewer truncates the first letter of a product model name during manual import.

Resolution: Fixed.

Problems Fixed in ODB++ Viewer 2403

- EBS-150539 — Change in the *legal* folder location.

Resolution: ODB++ Viewer's *legal* folder is now located in the `..lobviewer_<version>` directory.

Known Problems and Workarounds

Product limitations, defects, and unexpected behaviors may affect normal operation. Workarounds provide practical ways to minimize disruption and maintain reliable performance.

- Cursor distortion in Extend mode on Windows.

Description: Different scale settings between screens may cause the mouse cursor to change shape unexpectedly. This occurs because each screen generates a cursor based on its own scale. For example, clicking a measuring tool and then moving the window to another screen, may change the cursor into a right arrow.

Workaround: Repeat the action associated with the cursor to refresh the cursor appearance on the new screen.

- EBS-167243 — ODB++ Viewer fails to install in silent mode.

Description: The installation completes without errors, but the target folder is not created. The failure is caused by a conflict between the `-silent` and `-optout` flags, which blocks the deployment of required components.

Workaround: Modify the installation script generated by the Batch Tool in a text editor:

1. Duplicate lines 96 and 97 twice, so that they occur three times in sequence:

```
96     echo d> %ansfile%
97     echo yes>> %ansfile%
98     echo d>> %ansfile%
99     echo yes>> %ansfile%
100    echo d>> %ansfile%
101    echo yes>> %ansfile%
```

2. In the modified script, go to line 119 (line 115 in the original file):

```
118    :RUNMIP
119    "%INST_PATH%\Install.exe" -silent %MIPBATCMD% %NEWTARG% %NEWSRC%
%NEWDOCLOC%
    %EXTRAARGS% %ansfile%
```

3. Replace `-silent` with `-optout`:

```
118    :RUNMIP
119    "%INST_PATH%\Install.exe" -optout %MIPBATCMD% %NEWTARG% %NEWSRC%
%NEWDOCLOC%
    %EXTRAARGS% %ansfile%
```

Support Information

You can use a streamlined process to report a problem, receive guidance on the ODB++ Viewer installation, or receive help with a task you are trying to accomplish while using the tool.

To submit a support case, complete the form on the Contact page of the ODB++Design website:

<https://odbplusplus.com/design/contact>