



# Installation Guide

**Version 3.5.0**

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EDACConnect-Dashboard Version: 3.5.0  
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# Preface

## EDAConnect-Dashboard Installation Guide Overview

This manual provides step-by-step instructions for installing EDAConnect Dashboard. The manual is organized into the following chapters:

- **Chapter 1:** EDAConnect-Dashboard Overview — Provides an introductory overview of EDAConnect-Dashboard
- **Chapter 2:** EDAConnect Installation Requirements — Lists specific hardware and software requirements for EDAConnect installation.
- **Chapter 3:** EDAConnect Dashboard Installation — Provides installation instructions for EDAConnect.

## Font Conventions

In this guide, the following font conventions are used:

- Links, buttons, menus, and icons that are clicked appear in **Bold Face Type**.
- Items to select in drop-down menus or navigation trees are **bold** with “→” between entries.
- Dialog box “field names” are in quotes.
- Window and field names are in Initial Capitals.
- Cross references to sections and other chapters appear as underlined text.
- Information to be provided or entered by the user appear in *<italicized text>* between angle brackets.
- References to other Perception Software documentation appear in *italicized text*.

## Perception Software Technical Support

For EDAConnect PCB issues, please contact us via email at:

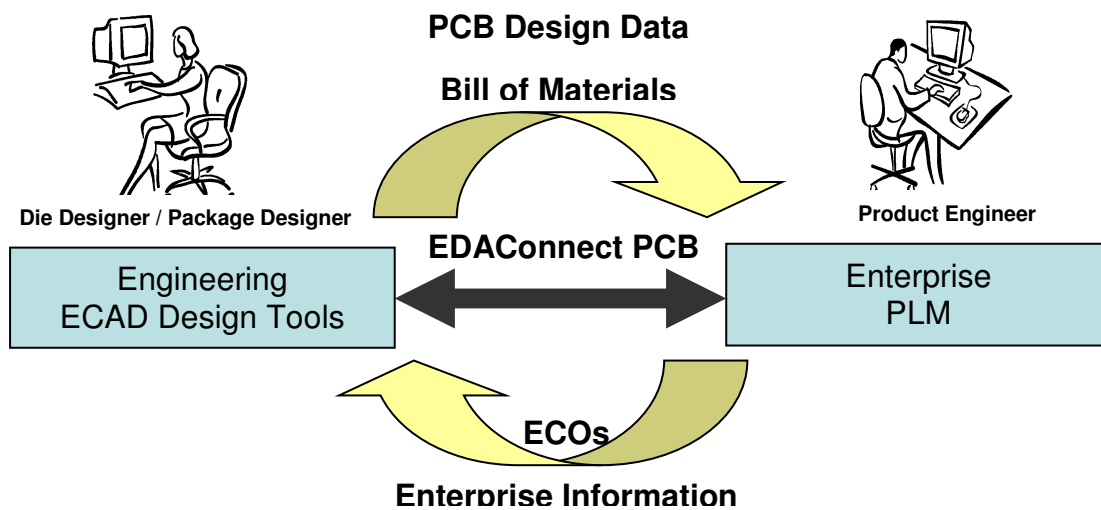
[support@perceptionsoftware.com](mailto:support@perceptionsoftware.com)



# EDACONNECT Dashboard Overview

## Introduction

EDACONNECT-Dashboard is a desktop application that provides PCB design engineers with the capability to interact with PLM systems from within the ECAD design environment. EDACONNECT-Dashboard provides engineers the ability to extract and publish PCB BOM data to PLM, accurately check-in and check-out design files, and to interact with critical PLM workflows such as Engineering Change Orders.



EDACONNECT-Dashboard enables the designer to accomplish the following:

- Publish Schematic and PCB design files to PLM
- Get File Attachments from PLM
- Checkout Design Items for revision updates
- Create New Agile Parts
- Create and update Engineering Change Orders
- Perform site-specific process validation through event-based scripting

# EDAConnect Installation Requirements

## ***PLM Platform Requirements***

### **Hardware Requirements**

EDAConnect Agile is designed to support the Agile infrastructure. Additional hardware is not required to support EDAConnect. Please review the Agile Software “*Capacity Planning and Deployment Guide*” for more information.

### **PLM System Requirements**

EDAConnect supports Agile 9.3.0, 9.3.1, 9.3.2, 9.3.3, 9.3.4, 9.3.5

## **EDA Platform Requirements**

### **Hardware Requirements**

The minimum hardware requirements for EDAConnect are:

- RAM: 512MB
- Free Disk: 100MB

### **Workstation OS Requirements**

Windows XP, Windows 7  
Solaris 10 (SPARC and X86)



# Supported ECAD Tools

CAD Version	Microsoft Windows (32-bit)				Oracle Solaris on SPARC (32-bit)	Oracle Solaris on x86-64 (64-bit)
	Windows 2000	XP	Vista	7	Solaris 10	Solaris 10
<b>Altium</b>						
2009	✓	✓	✓	✓		
2010	✓	✓	✓	✓		
2013	✓	✓	✓	✓		
2014	✓	✓	✓	✓		
2015	✓	✓	✓	✓		
<b>DxDesigner</b>						
2005	✓	✓	✓	✓	✓	✓
9.3,9.4,9.5	✓	✓	✓	✓	✓	✓
<b>OrCAD</b>						
15.7	✓	✓	✓	✓		
16.3, 16.5,16.6	✓	✓	✓	✓		
<b>Concept/HDL</b>						
15.7	✓	✓	✓	✓	✓	✓
16.3, 16.5,16.6	✓	✓	✓	✓	✓	✓
<b>DesignArchitect</b>						
8.x	✓	✓	✓	✓	✓	✓
<b>DesignCapture</b>						
2005	✓	✓	✓	✓		
9.3,9.4,9.5	✓	✓	✓	✓		
<b>PADS Logic</b>						
2005	✓	✓	✓	✓		
9.3,9.4,9.5	✓	✓	✓	✓		

## JRE Requirements

Each workstation that will utilize EDAConnect requires access to Java. For Agile versions 9.3.0 to 9.3.2 JRE version 1.6 is required. For Agile versions 9.3.3, 9.3.4 and 9.3.5 JRE version 1.7 is required. The media package contain zip files for both version and you should extract the zip appropriate to your Agile version.

**NOTE:** While other JRE versions MAY work with EDAConnect products, it is highly recommended that you utilize the embedded version since supplied

## EDAConnect Dashboard Installation

### EDAConnect Dashboard Generic Distribution

EDAConnect applications are desktop applications that are executed by individuals in the ECAD domain who are responsible for releasing ECAD project data to PLM. Since companies have multiple employees addressing this role, it is recommended that EDAConnect-Dashboard be installed in central location and accessible via a shared drive.

EDAConnect software is available from the Oracle Software Delivery Cloud.

You can enter the keyword ECAD or you EDA Tool name, e.g. Altium.

The screenshot displays the Oracle Software Delivery Cloud interface. At the top, the Oracle Cloud logo is visible. Below it, the text "Oracle Software Delivery Cloud" and a link "To switch back to the original Oracle" are shown. A instruction states: "To select products for download, enter the Oracle Product into the type-ahead field below, then select Products' section below. Repeat this step for all titles you wish to download. Once complete, click on t". A bold warning follows: "You must agree to Oracle's trial license terms before downloading products that you do". Below this, the "Filter Products By" section includes checkboxes for "Programs" (checked), "Linux/OVM/VMs", and "1-Click Offerings". A "Product \*" search field contains the text "ECAD". To the right of this field is a "Select Platform" dropdown menu. A list of product suggestions is displayed below the search field, including "Oracle Agile Product Lifecycle Management ECAD Connector for Altium", "Oracle Agile Product Lifecycle Management ECAD Connector for ConceptHDL", "Oracle Agile Product Lifecycle Management ECAD Connector for Design Architect", "Oracle Agile Product Lifecycle Management ECAD Connector for Design Capture", "Oracle Agile Product Lifecycle Management ECAD Connector for DxDesigner", "Oracle Agile Product Lifecycle Management ECAD Connector for OrCAD", and "Oracle Agile Product Lifecycle Management ECAD Connector for PADS Logic". On the left side of the product list, a table header is visible with the text "Selected Pro" and "Product".

Select the appropriate Platform and you will be presented with your Products for download.

Click **Continue** to see the Available Releases for the ECAD Connector. Check all download files checkboxes and click **Continue**.

Once you have agreed to the license terms you will be presented with the File Download form. There will be one zip file with the ECAD specific files, e.g. ECAD Connector for Altium and one zip file containing the base installation, EDACONnect for ECAD Connectors, download all zip files.

### ► To assemble an installation folder for EDACONnect Dashboard

1. Create an installation folder for your EDACONnect Software, e.g. c:\Perception.
2. Extract the contents of the **EDACONnect for ECAD Connectors** zip file to your EDACONnect installation folder. This should create an EDACONnect-Dashboard folder (e.g. C:\Perception\EDACONnect-Dashboard)
3. Extract the contents of the **ECAD Connector for <ECAD Tool>** zip file to the EDACONnect-Dashboard folder.
4. Move the EDACONnect-Dashboard\Scripts and EDACONnect-Dashboard\Templates folder to your EDACONnect-Dashboard\configuration folder.
5. If you are using **Agile 9.3.3 or greater** extract the contents of EDACONnect-Dashboard\jre\_zips\jre7u51.zip to your EDACONnect-Dashboard folder. After this is completed you can delete the EDACONnect-Dashboard\jre\_zips folder.
6. If you are using **Agile 9.3.0, 9.3.1 or 9.3.2** extract the contents of EDACONnect-Dashboard\jre\_zips\jre6u26.zip to your EDACONnect-Dashboard folder. After this is completed you can delete the EDACONnect-Dashboard\jre\_zips folder.
7. If you are using **Agile 9.3.1 or greater** copy the EDACONnect-Dashboard\agileplm\_plugin\_jars\com.perception.drivers.plm.agile.agile-web\_\*.jar file to your EDACONnect-Dashboard\plugins folder. After this is completed you can delete the EDACONnect-Dashboard\agileplm\_plugin\_jars folder.
8. If you are using **Agile 9.3.x** copy the appropriate EDACONnect-Dashboard\agileplm\_plugin\_jars\com.perception.drivers.plm.agile\*.jar file to your EDACONnect-Dashboard\plugins folder. After this is completed you can delete the EDACONnect-Dashboard\agileplm\_plugin\_jars folder
9. Extract the contents of the appropriate EDACONnect-Dashboard\os\_zips\\*.zip file to the EDACONnect-Dashboard folder. After this is completed you can delete the EDACONnect-Dashboard\os\_zips folder.

### ► Setup a user's system to execute EDACONnect Dashboard

1. Create a new environment variable, EDACONNECT\_HOME, using Advanced tab of the Control Panel → System dialog. This variable should be set to the location of the EDACONnect-Dashboard folder.
2. Add this EDACONNECT\_HOME variable to your PATH environment variable.

► **To add the EDACConnect menu to your Altium application**

1. Copy the EDACConnect.\* files within your EDACConnect-Dashboard\Altium\_ITC folder to the System folder within your Altium installation.

► **To add the EDACConnect menu to your OrCad (Allegro Capture) application**

1. Copy the EDACConnect\*.dll file within your EDACConnect-Dashboard\Orcad\_ITC folder to the folder: {your\_orcad\_installation\_path}\tools\capture\vendor

► **To add the EDACConnect menu to your DxDesigner application**

1. Update your WDIR variable to include EDACConnect-Dashboard\DxDesigner\_ITC.
2. The batch file, EDACConnect-Dashboard\DxDesigner\_ITC\EDAC\_register.bat, must be executed on each user's machine before first usage of EDACConnect connector, in order to register connector library in the system.

► **To test EDACConnect installation and PLM connectivity**

1. Launch the EDACConnect Dashboard:

**<install folder>\EDACConnect-Dashboard\edaconnect.exe -d**

2. Click on the **PLM Login** icon.
3. Supply the required login credentials.
4. Verify PLM login is successful.