

eDRAWINGS AND eDRAWINGS PROFESSIONAL

THE EASIEST WAY TO SHARE DATA



SHARE, VIEW, AND COLLABORATE

Work more effectively with everyone involved in your product development process by using eDrawings® software, the first email-enabled communication tool. eDrawings is the easiest way to share data across multiple CAD environments with CAD users and non-CAD users alike. With unique capabilities such as point-and-click animations, hyperlinking and STL output, eDrawings helps everyone to interpret and understand both 2D and 3D design data including Product & Manufacturing Information (PMI) created using SOLIDWORKS Model Based Definition.

Clear Communication to Accelerate Time-to-Market

Fast, reliable, and convenient, eDrawings files provide representations of 3D models and 2D drawings for many of the most widely used CAD systems on the market. The electronic data format of eDrawings files is highly compressed, enabling easy transmission via email. When viewed with the eDrawings Viewer, these files provide intelligent interpretation tools (3D Pointer, Virtual Folding, Animated Drawing Views) that help the recipient easily understand and navigate the data they receive. eDrawings files can be created using SOLIDWORKS® CAD, SOLIDWORKS Simulation, SOLIDWORKS Plastics, SOLIDWORKS

Electrical, and many popular CAD products using the eDrawings Publisher add-in.

The eDrawings Viewer allows users to review and print SOLIDWORKS native parts, drawings and assembly files in addition to AutoCAD®, DWG and DXF files. To eliminate the frustrations normally associated with viewing 2D and 3D design data outside of a CAD package, the Viewer may be embedded directly in an eDrawings file. These files can then immediately be viewed by anyone with a Windows operating system. No additional CAD software or viewers are required.

KEY BENEFITS

- Accelerate communication with everyone involved in product development, from engineering and manufacturing to marketing and sales, including customers, partners, vendors, and suppliers.
- Enable faster product design reviews while viewing and interacting with models using cross section, measure, or markup, and provide feedback directly within the eDrawings file.
- Provide quick and easy access via email to product design information and avoid misunderstandings when discussing design topics or resolving complex engineering issues in the development process.

eDRAWINGS PROFESSIONAL

View, Annotate, Mark Up, and Measure Drawings and Models

eDrawings Professional extends the functionality of the eDrawings Viewer so you can mark up, measure, and make comments directly on designs. It also provides the unique ability to publish eDrawings files as review-enabled, which is like embedding a markup pen in your document. Recipients are able to mark up and measure the eDrawings file using the free eDrawings Viewer. They do not need to purchase eDrawings Professional or other software to view the files. eDrawings Professional also includes advanced viewing capabilities such as dynamic component translation and dynamic cross-section views.

eDrawings Professional is intended primarily for CAD users who need to both share product designs and coordinate design reviews.

Review 2D and 3D Product Designs On the Go

Take your 2D and 3D product designs wherever you go with eDrawings mobile apps for eDrawings and eDrawings Professional. Collaborate from anywhere, anytime on mobile devices, smartphones, and tablets with the same easy-to-use, email-enabled software.

Augmented Reality

Mobile (iOS) apps also provide unique and enhanced capabilities by leveraging Augmented Reality for visualizing your 3D models in real context. By simply activating the device's camera, users can visualize 3D designs in the "real world", such as sitting on a desk, a conference room table, or even in the palm of your hand. Models can be scaled to consider multiple design options at different size levels.

Features and Specifications

Viewing

- Visualize 3D design data in shaded or wireframe mode
- Rotate, zoom, and pan 3D models
- View 3D models and 2D drawings in overlay mode
- Navigate the individual layout views manually by selection or automatically via animations

Configurations

- View SOLIDWORKS configurations with multiple design variations of a part or assembly model displayed within a single document

Measure

- Measure dimensions from models or drawings using faces, edges or vertices.

Markup

- Create, edit, and save markup elements, such as redlining, comments, geometric shapes, clouds, images, or dimensions

Exploded views

- Drag and drop to move individual components, either in an assembly or in a drawing, to create exploded views
- Return components to their normal position by double-clicking on the component

Dynamic Cross Sectioning

- Dynamically move a cross-sectioning plane through parts and assemblies to see design details hidden from view

Mass Properties

- View mass, volume, density, and surface area of the part or assembly shown in the eDrawings file

Data protection

- Disable measurement and STL export of eDrawings documents to protect sensitive data

Security

- Assign passwords to protect eDrawings files, encouraging users to more carefully share design data

Augmented Reality

- View 3D models in 1:1 scale in real context by activating your mobile device's camera
- Move around the room and see the virtual 3D product from any perspective



FEATURE COMPARISON FOR DESKTOP VERSION

Features	eDrawings (Free download)	eDrawings Professional
Ultra Compact Files	▶	▶
Built-in Viewer	▶	▶
Drawing Layout	▶	▶
Hyperlinking	▶	▶
3D Pointer	▶	▶
Point-and-click Animation	▶	▶
Share and View Design Analyses	▶	▶
Share and View Simulation and Plastics Analyses	▶	▶
Save in STL and other file formats	▶	▶
Advanced Collaboration Tools		
Enable Markup		▶
Enable Measure		▶
Security (Password Protection)		▶
Dynamic Cross-Section		▶
Move Components		▶
Explode Views		▶
View Configurations		▶
View Product & Manufacturing Information (PMI)		▶
Play SOLIDWORKS Animation		▶
Mass Properties		▶

FEATURE COMPARISON FOR MOBILE VERSION

Features	eDrawings iOS	eDrawings Android	eDrawings Professional iOS	eDrawings Professional Android
Measure Distance			▶	▶
Dynamic Cross Sectioning			▶	▶
Create Markups - text notes, freehand notations, dimensions			▶	▶
Save and Send Marked-up File by Email			▶	▶
SOLIDWORKS File Support	▶	▶	▶	▶
DXF and DWG Files Support	▶	▶	▶	▶
Hyperlinking	▶	▶	▶	▶
Exploded Views	▶	▶	▶	▶
Hide/Show Part, Make Transparent	▶	▶	▶	▶
View Configurations	▶	▶	▶	▶
View from Cloud Storage Folders (DropBox and others)	▶	▶	▶	▶
Augmented Reality	▶		▶	

SOLIDWORKS PRODUCT DEVELOPMENT SOLUTION

SOLIDWORKS software provides users with an intuitive 3D development environment that helps maximize the productivity of your design and engineering resources to create better products faster and more cost-effectively.



SYSTEM REQUIREMENTS

Desktop

- Microsoft® Windows® 7 64-bit, Windows 8 64-bit, or later
- Apple® OS X® 10.6 and later

Mobile

- Apple iOS 6.0 and later. Compatible with iPad®, iPad mini™, iPad Air™, iPhone® and iPod touch®. App optimized for iPhone 5/5C/5S.
- Google™ Android™ 4.0 and later

Language Support

- English, French, German, Japanese



3DEXPERIENCE™



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