

REALISTIC DESIGN WITHOUT COMPROMISE

Radeon™ Pro WX Series workstation graphics are fully certified for SOLIDWORKS.

Experience a new level of realism with GPU accelerated features enabled for SOLIDWORKS® users

The latest Radeon™ Pro workstation cards are certified for advanced SOLIDWORKS® workflows and simultaneous engineering, combining complex CAD modeling with sophisticated rendering and simulation (CAE). Unlike consumer graphics cards, Radeon™ Pro WX Series graphics cards provide a number of GPU-accelerated features and SOLIDWORKS-specific optimizations, enabling increased realism, outstanding performance and enhanced interactivity for designers and engineers.

More Accurate Designs with GPU-Accelerated Transparency Mode

OIT provides a “pixel-accurate” representation of the model and its surrounding geometry and is designed to be accelerated by the Radeon Pro GPU, enabling higher performance when compared to traditional blended mode. This creates a practical transparent 3D viewpoint for designers to continuously work within, helping improve the user’s sense of “design intuition” and aid in better decision-making throughout the product development stages.

SOLIDWORKS also provides a preview feature with OIT, allowing users to see parts and assemblies in grayscale, directly from the feature tree, before enabling them for edit. This gives great user feedback on which parts and assemblies to enable instead of just a bounding box. The grayscale image is accurate and responsive as the information is stored in the GPU the entire time.

SOLIDWORKS® 2017 and 2018 bring rapid design and greater “design intuition” with GPU-accelerated transparency mode (OIT) for managing mates (geometric relationships between SOLIDWORKS parts) and transparent section views. This enhances the process of selecting edges or planes in other components and makes constraining an assembly quick and easy. OIT is automatically enabled when using the Radeon™ Pro WX Series graphics card.

Powerful Real-time Previews with RealView®

Radeon™ Pro WX Series graphics unleashes the power of RealView® and brings models to life. SOLIDWORKS® offers advanced shading in real time with RealView and Ambient Occlusion, which delivers outstanding depth and realism helping reduce the need for ray-traced rendering.



Industry:

Manufacturing (CAD/CAM/CAE)

Application:

SOLIDWORKS® 2015, 2016, 2017 and 2018

Challenges:

- ▲ Competitive pressure, Faster time-to-market
- ▲ More demanding designs

Solution:

- ▲ Radeon™ Pro WX Series graphics is fully optimized and certified for SOLIDWORKS® 2015, 2016, 2017, and 2018 enabling advanced workflows at an incredible value.

Value Propositions:

- ▲ Radeon Pro ReLive for high-resolution screen capture recordings
- ▲ Radeon ProRender Plugin – Free GPU accelerated, physically-based photorealistic renderer for SOLIDWORKS 2016, 2017 and 2018
- ▲ Radeon™ ProRender Game Engine Importer – Free plug-in for Unreal Engine that quickly and easily brings SOLIDWORKS designs (geometry, appearances, cameras, lights) into Unreal Engine for VR visualization and development of interactive experiences
- ▲ VR Readiness (with Radeon™ Pro WX 7100 and Radeon™ Pro WX 9100)
- ▲ Rapid design and greater “design intuition” with GPU-accelerated transparency mode (OIT)
- ▲ Powerful Real-time Previews with RealView®
- ▲ Accurate Designs with Anti-Aliasing and 4K
- ▲ Productivity with Multiple Displays
- ▲ Advanced Workflow Performance for CAE

The Radeon™ Pro WX Graphics Advantage:

- ▲ Three-year limited warranty and optional seven-year extended limited warranty available on retail cards
- ▲ Application certifications, including SOLIDWORKS, ensures optimized performance and compatibility
- ▲ Compared to consumer graphics, Radeon™ Pro graphics cards have an extended lifecycle
- ▲ Exceptional level of customer support – Customers have the ability to directly contact the AMD technical team 24/7 in the following regions:

US: 866-284-2093

UK: 0-800-086-9034

Germany: 0800-182-5841

France: 0800-914847

India: 1-800-266-6797

Japan: 0800-222-0553

China: 400-120-3037

Capture and Record Workflow and Development Sessions with Radeon Pro ReLive

Seamlessly enabled within Radeon Pro Settings, Radeon Pro ReLive enables high-resolution screen capture recordings within SOLIDWORKS of development sessions, content creation processes and workflows for collaboration, presentation, or training purposes.

Take your Workflow to the Next Level of Realism with VR

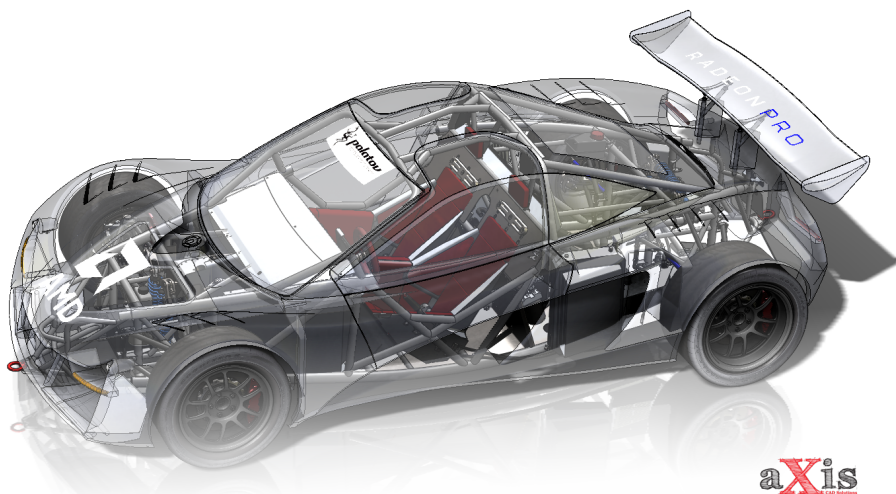
VR developers using professional grade graphics certified for SOLIDWORKS have commonly switched to a separate PC with consumer/gaming VR ready graphics for their game engine development and VR visualization. With the Radeon™ Pro WX 7100 and WX 9100 workstation graphics cards, professionals can design and visualize VR experiences on the same system that they used for the SOLIDWORKS design phase. Furthermore, the “Driver Options” feature of the Radeon™ Pro Software Enterprise Edition™ enables users to dynamically switch between the professional driver (which supports RealView® and OIT and is certified for SOLIDWORKS) to the Radeon gaming driver for extra performance in game engines and VR.

Run SOLIDWORKS® from the Cloud

SOLIDWORKS is now certified on our AMD FirePro™ S7150 Server GPU. Equipped with MxGPU technology, this hardware-based virtualized GPU solution offers enterprises the ability to move all graphics processing to the datacenter, allowing users to be more mobile while still having access to workstation-class graphics to drive their SOLIDWORKS workflows.

Tuned, Optimized, and Certified for SOLIDWORKS®

Radeon™ Pro WX Series graphics is thoroughly tested and certified by Dassault Systèmes SOLIDWORKS Corp. to help ensure optimized performance and compatibility. Used with workstations that are also tested and certified by Dassault Systèmes SOLIDWORKS Corp. Radeon™ Pro WX Series graphics delivers advanced performance and reliability for rapid model creation and rendering. A single unified driver is available for all desktop and mobile Radeon™ Pro WX products, simplifying system administration and maintenance.



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Recommended Configurations

Model	Graphics Memory	Model Size & Complexity	Visualization	Simulation	VR Readiness	Display Output	Form Factor
Radeon™ Pro WX 9100	16GB HBM2	●●●	●●●	●●●	●●●	6 mini-DP	Desktop Workstation
Radeon™ Pro WX 7100	8GB GDDR5	●●●	●●●	●●●	●	4 DP	Desktop Workstation
Radeon™ Pro WX 5100	8GB GDDR5	●●●	●●●	●●●	n/a	4 DP	Desktop Workstation
Radeon™ Pro WX 4100	4GB GDDR5	●●●	●●	●●	n/a	4 mini-DP	SFF Desktop Workstation
AMD FirePro™ S7150	Dependent on VM Configuration	●●●*	●●●*	●●●*	n/a	n/a	Virtualized Graphics

*Dependent on # of VMs configured. 2-4 users per GPU recommended.

● = Good, ●● = Better, ●●● = Best

For more information on Radeon Pro WX Series GPUs, visit:

WWW.AMD.COM/RADEONPRO

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