

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® 2015, 2016, and 2017 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

Order Independent Transparency (OIT) has been available since SOLIDWORKS® 2014. 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.

Later versions of SOLIDWORKS® brought further enhancements to OIT with a new preview feature, 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 brings 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, and 2017

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, and 2017 enabling advanced workflows at an incredible value.

Value Propositions:

- ▲ Radeon Pro ReLive for high-resolution screen capture recordings
- ▲ Radeon ProRender Plugin – GPU+CPU physically-based photorealistic renderer
- ▲ VR Readiness (with Radeon™ Pro WX 7100)
- ▲ 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

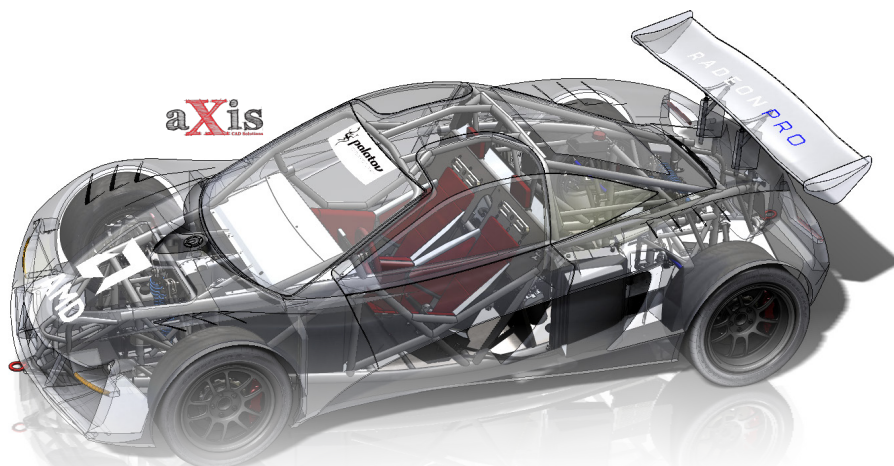
Germany: 0800-182-5841

France: 0800-914847

India: 1-800-266-6797

Japan: 0800-222-0553

China: 400-120-3037



RADEON PRO WX SERIES

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 often had to switch to a separate PC with consumer-grade VR Ready graphics to assess the user experience of their newly created VR content.

With the Radeon™ Pro WX 7100 workstation graphics card, professionals can create and consume VR content on the same system. The new Radeon Pro Software Crimson ReLive Edition works with SOLIDWORKS and supports CAD and 3D model visualization in 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.

Superior Productivity with Multiple Displays

Product development workflows have changed significantly over recent years. Working with multiple applications is common in many development workflows with design, simulation, data management and collaboration all happening together. Radeon™ Pro WX Series graphics cards feature AMD Eyefinity multi-display technology that empowers engineers to view multiple applications and product assemblies across three, four or even six high-resolution monitors all from a single graphics card, at up to 4K x 2K resolution for each output. Users can view designs at ultra-high resolutions for increased design accuracy, realism and better insight, or speed up workflow by using the extra screens to view additional applications.

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, Radeon Pro Software ReLive edition, simplifying system administration and maintenance.

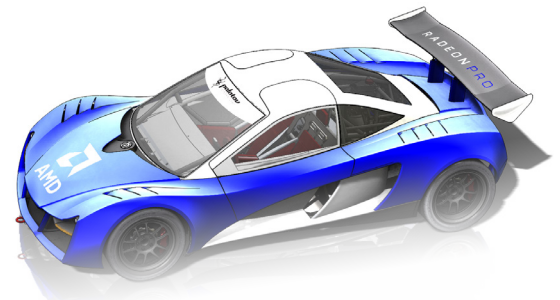
Recommended Configurations

	Model size & Complexity	Visualization	Simulation	VR Readiness	Form Factor
Radeon™ Pro WX 7100	●●●	●●●	●●●	Yes	Desktop Workstation
Radeon™ Pro WX 5100	●●●	●●●	●●●	n/a	Desktop Workstation
Radeon™ Pro WX 4100	●●●	●●	●●	n/a	SFF Desktop Workstation
AMD FirePro™ S7150	●●●*	●●●*	●●●*	n/a	Virtualized Graphics

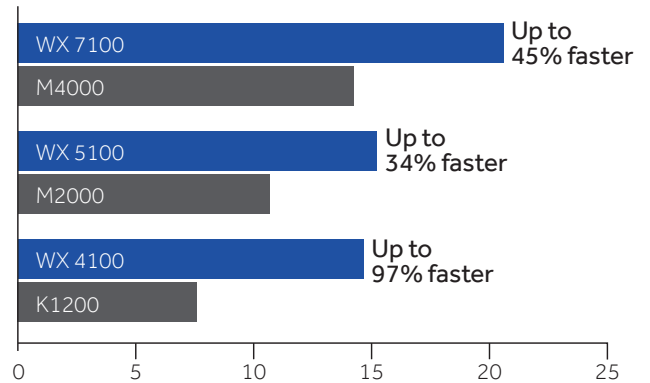
*Dependent on # of VMs configured. 2-4 users per GPU recommended.

● = Good, ●● = Better, ●●● = Best

For more information on Radeon Pro WX Series GPUs, visit: RADEON.COM/WX



SPECapc SOLIDWORKS® 2015 Benchmark with RealView®



1. Testing conducted by AMD Performance Labs as of September 2016 on test system described below. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta Nvidia Driver: 368.39 Application: SPECapc Dassault SolidWorks 2015, no FSAA Subtest: Shaded using RealView and Shadows and Ambient Occlusion Graphics Sub-composite AMD WX4100 subtest score: 14.32 Nvidia Quadro K1200 subtest score: 7.26 Performance Differential: 14.32/7.26 = ~97.25% faster on AMD RPW-11

2. Testing conducted by AMD Performance Labs as of September 2016 on test system described below. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta Nvidia Driver: 368.39 Application: SPECapc Dassault SolidWorks 2015, no FSAA Subtest: Shaded using RealView and Shadows and Ambient Occlusion Graphics Sub-composite AMD WX5100 subtest score: 15.57 Nvidia Quadro M2000 subtest score: 11.60 Performance Differential: 15.57/11.60 = ~34.22% faster on AMD RPW-14

3. Testing conducted by AMD Performance Labs as of September 2016 on test system described below. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta Nvidia Driver: 368.39 Application: SPECapc Dassault SolidWorks 2015, no FSAA Subtest: Shaded using RealView and Shadows and Ambient Occlusion Graphics Sub-composite AMD WX7100 subtest score: 21.00 Nvidia Quadro M4000 subtest score: 14.45 Performance Differential: 21.00/14.45 = ~45.33% faster on AMD RPW-18

Images courtesy of Palatov Motorsport LLC