PTC® CREO®

Breakthrough Innovation for 3D CAD Workflows

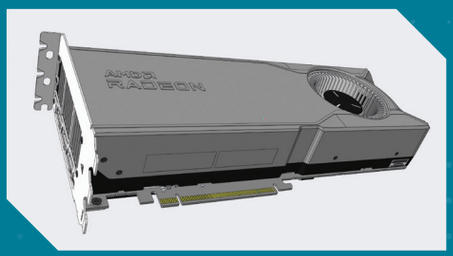
AMD × creo®

together we advance_

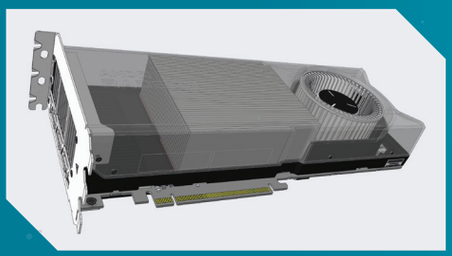
AMD collaborates closely with PTC to deliver optimal workflow performance and productivity, as well as platform reliability for PTC Creo users. Purchasing a PTC Creo certified workstation equipped with AMD Radeon™ Pro graphics helps ensure users experience outstanding performance and great interactivity when working with large assemblies and complex models. PTC Creo takes advantage of the large on-board memory processing of modern GPUs to deliver additional, "always-on" 3D acceleration with complex mechanical assemblies and advanced multidiscipline workflows.

GPU Accelerated Features

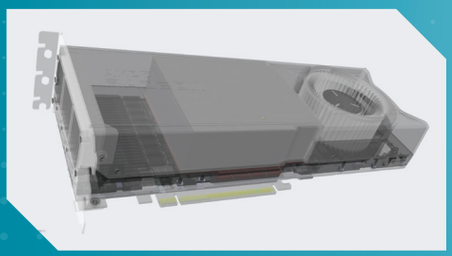
Advanced OpenGL® optimizations, Vertex Buffer Object (VBO) and Order Independent Transparency (OIT) are just some of the features AMD has worked closely with PTC on to optimize and provide great 3D frame rates and interactivity for large assemblies. In particular, OIT provides a "pixel-accurate" representation of the model and its surrounding geometry. This creates a more practical transparent 3D viewpoint for designers to continuously work within, helping improve the designers' sense of "design intuition" and assisting in better decision-making through the product development stages.



Default



Blended Mode

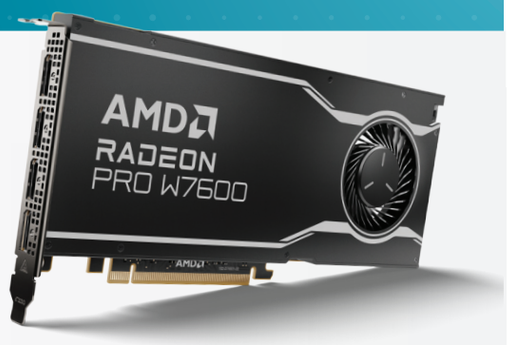


OIT

OIT fixes visual artifacts caused by inaccurate "depth sorting" of the geometry that often happens in the older "blended mode". This means some parts of the object are being rendered incorrectly with the old blended mode technology.

Scalability for Large Assemblies

The latest AMD Radeon PRO workstation graphics cards feature support for PCI Express® 4.0 for enabling high data transfer rates between the system and the graphics card. This can help to reduce loading and rendering times of large assemblies. Viewing large assemblies with increased realism puts a higher demand on the GPU. Thanks to the large on-board memory and advanced AMD RDNA™ GPU architecture, Radeon PRO graphics cards can help increase the visual quality inside the modeling environments without slowing down model interactivity.



Optimized and Certified for PTC Creo

In order to help ensure optimized performance and compatibility, Radeon Pro workstation graphics cards are thoroughly tested and certified by PTC for workstation-class reliability across the suite of PTC applications. When combined with Dell, HP, Lenovo and other workstations certified by PTC, Radeon Pro workstation graphics deliver advanced performance, reliability and value: providing an unbeaten user experience for PTC Creo designers.

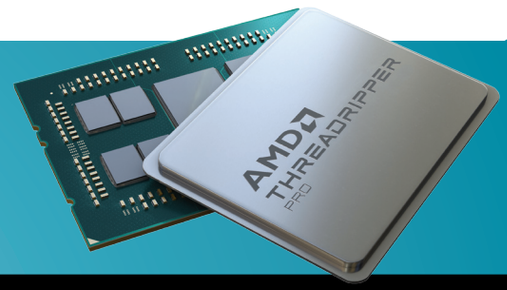
AMD RADEON PRO

Professional Graphics for Exceptional Performance with Reliability, Stability and Software Certifications at its Core.

Unleashing GPU Power for Professionals with AMD Software: PRO Edition

Engineering and design professionals can also rely on AMD Software: PRO Edition to help with their demanding productivity needs. For example, the PRO Edition software suite includes features which are designed to improve image quality for better and faster decision making and offers essential record and stream capabilities to support the collaboration during a project. With AMD Software: PRO Edition and AMD Radeon PRO graphics you are well equipped to deliver your best work with ease.

amd.com/radeonprosoftware



Additional Performance Power

Choosing the right CPU means addressing the bottlenecks of your most common workflow tasks. AMD Ryzen™ Threadripper™ PRO processors offer powerful single and multithreaded performance along with support for up to 2TB of memory.

amd.com/Workstation

Superior Productivity with Multiple Displays

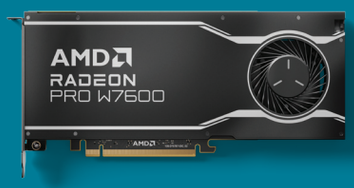
Product development workflows have changed significantly over recent years. Working with multiple applications is common in many development workflows with design, simulation, data management and collaboration all happening together.

Radeon™ Pro workstation graphics cards feature advanced multi-display technology that empowers engineers to view multiple applications and product assemblies across up to four ultra high-resolution monitors all from a single graphics card.

Recommended AMD Radeon Pro Hardware for your PTC Creo Workflow

AMD Radeon™ PRO W7800 Graphics

- Certified graphics with high-end GPU
- Excellent performance with super-sized assemblies
- Enabled high fidelity on all assemblies
- Support for professional displays with up to 8K resolution with DisplayPort 2.1



AMD Radeon™ PRO W7600 Graphics

- Certified graphics card with great price-performance
- Suitable for assembly modeling
- Enhanced performance on assemblies
- Simultaneous use of Creo and Windchill
- Support for professional displays with up to 8K resolution with DisplayPort 2.1

AMD Radeon™ PRO W7500 Graphics

- Adds certification for PTC Creo to the system
- Fully functional Transparency mode and access OIT in the viewport
- Support for professional displays with up to 8K resolution with DisplayPort 2.1

To learn more about AMD professional graphics visit: **amd.com/RadeonPRO**

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