3D Design Experience - Redefined

AMD FirePro™ professional graphics and AMD Eyefinity multi-display technology are optimized and certified for CATIA® by Dassault Systèmes® and enable a superior 3D design experience.

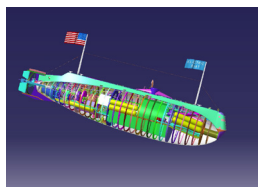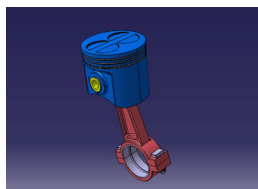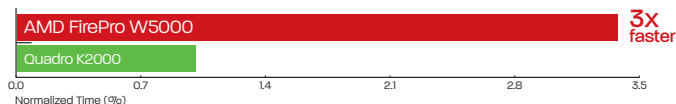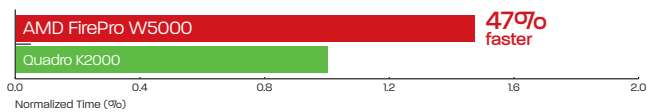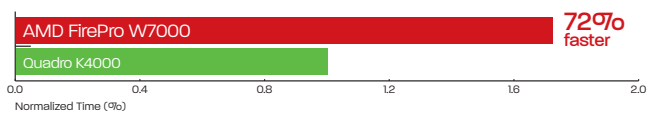## Advanced PLM workflows with optimized and certified performance

For three decades Dassault Systèmes (DS) has been a world leader in 3D modeling and Product Lifecycle Management (PLM) solutions. CATIA and supporting applications from Dassault Systèmes enable engineers and industrial designers to digitally define and simulate products, processes and resources. These applications help customers to bring their innovative products to market faster.

AMD FirePro™ professional graphics cards are thoroughly tested and certified for CATIA by Dassault Systèmes for optimized performance and reliability. AMD is the right choice for those looking to deploy CATIA V6 powered by the latest GPU technology with professional-grade performance and reliability.

Innovation, Performance and Reliability

As DS establishes 3D computer graphics as the universal language for both businesses and consumers, the company exploits the latest developments in hardware in order to deliver a high performance and high productivity experience to its customers. Such hardware includes the AMD FirePro™ family of professional graphics solutions that features innovative GPU technologies, cutting-edge performance and high reliability.

CATbench Normalized Score

Industry:
Manufacturing (PLM CAD/CAM/CAE)

Application:
CATIA V6

Challenges:
- Competitive Pressure
- Faster time-to-market
- More demanding designs

Solution:
- AMD FirePro professional graphics is fully certified for CATIA V6 enabling advanced workflows for a unique PLM digital product experience at an incredible value

Value Propositions:
- Optimized and certified for CATIA V6
- Provides tools and supporting technology to create the ideal CATIA® workstation environment
- Optimized 3D graphics performance with support for immersive 3D Stereoscopic rendering
- Powerful workflow performance gains: Engineering teams can navigate in massive airplane or automotive assemblies to make correct decisions faster
- Greater productivity and collaboration gains with AMD Eyefinity technology making multidisciplinary engineering fast and efficient

The AMD FirePro Advantage:
- Three-year warranty and extended availability – Compared to consumer graphics, AMD FirePro cards have an extended lifecycle
- Highest level of customer support – Customers have the ability to contact the AMD technical team directly
- Energy efficiency – AMD FirePro graphics cards are based on a highly efficient GPU design and feature power saving technologies like AMD PowerTune and AMD ZeroCore technologies
- AMD Eyefinity technology – A single card can power up to 3, 4 and even 6 displays with up to 4K resolution with each output (4096 x 2180 pixels using DisplayPort 1.2)[1]

"The impressive graphics performance of the new certified line of AMD FirePro™ graphics cards will amaze CATIA® and ENOVIA DMU users. AMD FirePro™ delivers the exceptional realism, accuracy, and power needed to help improve the efficiency and productivity of our customers."

Jerome Maillot, R&D 3DVIA Technology Director, V6 User Experience

Advanced GPU Architecture for 3D Graphics and Compute

The AMD FirePro W-series of professional graphics cards uses the latest generation Graphics Core Next (GCN) GPU architecture from AMD. This design efficiently balances compute tasks with 3D workloads, enabling multi-tasking that is designed to optimize utilization and maximize performance. In order to leverage the massive parallel processing power of the GPU for engineering analysis and simulation, AMD graphics cards are also optimized for OpenCL™.

AMD Eyefinity Multi-Display Technology and Support for 4K Displays

AMD Eyefinity multi-display technology enables an AMD FirePro graphics card to drive three, four and even six monitors via DisplayPort 1.2 from a single graphics card[1], at up to 4K x 2K resolution for each output. View your designs at ultra-high resolutions for increased design accuracy realism and better insight. Or, you can speed up your workflow by using your extra screens to view additional applications, running CATIA and other DS applications simultaneously.

CATIA V6 and 3DVia Composer - collaborative design and engineering workflow

Summary

AMD FirePro professional graphics takes your CATIA workflows to the next level and enables a superior 3D design experience. The close partnership between Dassault Systèmes and AMD means that you will not only have a reliable and certified solution but also highly optimized hardware with professional-grade reliability.

Recommended for CATIA

	AMD FirePro W5100	AMD FirePro W7100	AMD FirePro W8100
GPU Memory	4GB GDDR5	8GB GDDR5	8GB GDDR5
AMD GCN Stream Processors	768	1792	2560
Compute Performance (Single Precision)	1.43 TFLOPS	3.3 TFLOPS	4.2 TFLOPS
GeometryBoost	YES	YES	YES
Memory Bandwidth	96 GB/s	160 GB/s	320 GB/s
Physical Display Outputs	Four Mini-DisplayPort 1.2a	Four DisplayPort 1.2a	Four DisplayPort 1.2
Total Display Outputs with AMD Eyefinity and DisplayPort 1.2a*	6	6	6
Ready for 4K (UHD)	Yes	Yes	Yes
System Interface	PCIe 3.0, Single-slot	PCIe 3.0, Single-slot	PCIe 3.0, Dual-slot
OpenGL	4.4	4.4	4.4

For more information, visit www.fireprographics.com/catia

AMD