



# Take your 3D to the Maximum

AMD FirePro™ professional graphics cards and their unified drivers are tested, optimised and certified by AMD for use with CINEMA 4D, giving you the performance and reliability you need to take your 3D to the maximum.

## Optimised and Certified Performance

AMD FirePro professional graphics cards and their unified drivers are tested, optimised and certified by AMD, giving you optimised performance and reliability when using CINEMA 4D. The latest generation of AMD FirePro cards feature the new Graphics Core Next (GCN) GPU architecture from AMD which delivers new levels of graphics and compute performance from a single card, making AMD FirePro your ideal choice to take CINEMA 4D's new sculpting, physics and global illumination capabilities to the maximum.

## Break through previous limitations and bring your designs to life



Applying high-resolution textures and more complex lighting techniques to your scenes represent yet another challenge for your system since data sizes increase quickly as

you add more realism. Previous generation graphics cards were limited by a relatively small frame buffer requiring the system to frequently page large textures back and forth between system and graphics memory which can easily slow down your system. AMD FirePro graphics comes with large graphics memory configurations at many price levels. For example, the new AMD FirePro W5000 features 2GB of fast GDDR5 memory and thus offers twice as much memory than its closest competitor. More than 100GB/s of memory bandwidth and PCI Express 3.0 means that even the largest textures can be loaded into the frame buffer at high speed and without slowing down your workflow. Last but not least, AMD FirePro graphics cards are optimised for CINEMA 4D's improved OpenGL Shadows helping you to preview your scenes faster.

## Accelerate your Workflow with AMD Eyefinity Multi-Display Technology

Keeping full visual control of your CINEMA 4D workflow becomes increasingly challenging when using supporting apps like Adobe® After Effects or Adobe® Photoshop at the same time. AMD FirePro graphics cards feature AMD Eyefinity multi-display technology<sup>1</sup> and can help improve your productivity by using three or more displays. Run your 3D viewport on your center display and your palette, menus as well as any supporting apps on two adjacent screens.



Switching large between overlapping windows and apps means less mouse work, more rapid multi-tasking and easier access to your texture library. AMD Eyefinity supports monitors with resolutions up to 4K using a single DisplayPort 1.2 cable making your system ready for production workflows in ultra-high-definition (UHD).



CINEMA 4D

**Industry:**  
Media & Entertainment

**Application:**  
MAXON CINEMA 4D

## Challenges:

- ▲ Increasingly complex scenes and effects
- ▲ Competitive pressure to create Wow! effect
- ▲ Combine multiple applications to create ideal workflow

## Solution:

- ▲ AMD FirePro™ professional graphics is fully optimised, thoroughly tested and officially certified for CINEMA 4D giving you the performance and reliability you need to take your 3D to the maximum

## Value Propositions:

- ▲ Optimised and certified for CINEMA 4D
- ▲ Tackle increased model complexity with ease
- ▲ Break through previous limitations and bring your designs to life
- ▲ New levels of computational performance with AMD GCN GPU architecture
- ▲ Accelerate your Workflow with AMD Eyefinity Multi-Display Technology

## The AMD FirePro Advantage:

- ▲ Three-year limited 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)<sup>1</sup>

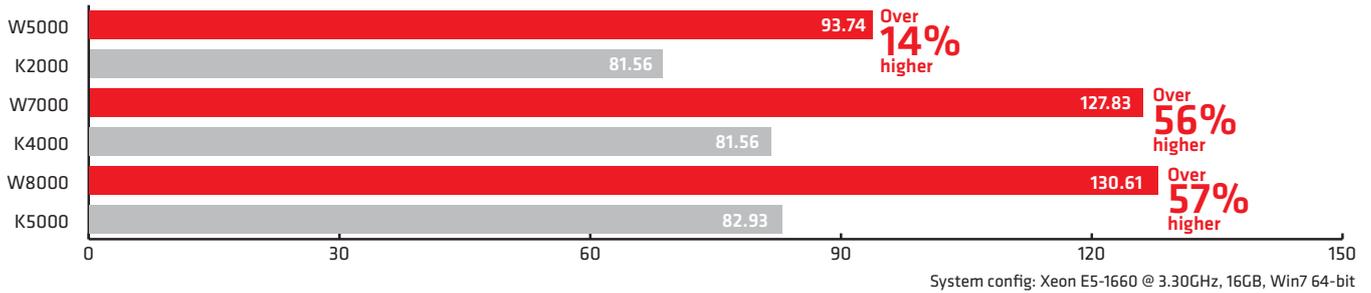
### Tackle increased model complexity with ease

To create your best possible CG, VFX and motion graphics for broadcast, you need to be working on previews that are as near to the final animation as possible, so you can model and animate efficiently and produce renders that are exactly as you want them to be. To do this, workstation-class graphics will give you fast frame rates and high-quality previews keeping pace with your needs. The latest generation of AMD FirePro graphics is ideal for such workflows.

The new Geometry Boost feature will process twice as much geometry data per clock cycle as previous generation cards, essentially doubling performance with increasingly complex meshes. Geometry Boost is the ideal match for the new CINEMA 4D R14 Sculpt system which allows more organic modelling for better-looking models.



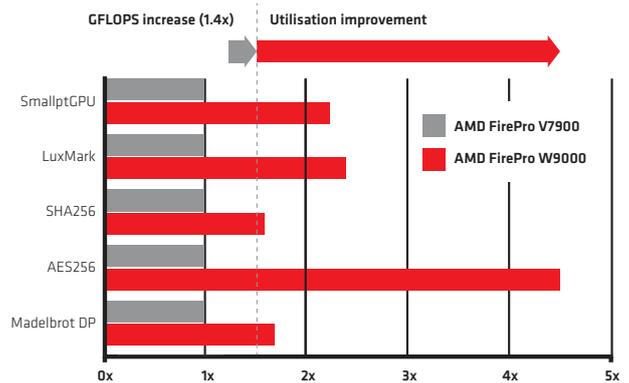
### Cinebench R15 Benchmark Results (FPS)



### New levels of computational performance with AMD Graphics Core Next (GCN) GPU architecture

Take advantage of exceptional performance in intensive non-3D tasks such as effects processing and video rendering, without having to buy a second board. AMD FirePro cards based on the latest GCN GPU architecture use a 28nm design and deliver increased compute performance to handle such advanced effects and are the perfect match for the new physics tools in CINEMA 4D R14. This makes the effects of aerodynamic forces, springs and breaks look more authentic than ever.

In the case of soft shadows, not only memory utilization increases but also the GPU is required to perform more complex calculations to add realism to your scene. The AMD FirePro W5000 offers over 1.2 TFLOPS of single-precision performance and packs the performance of a super computer into a single slot.



### Recommended for CINEMA 4D

	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 DisplayPort 1.2a	Four DisplayPort 1.2a	Four DisplayPort 1.2
Total Display Outputs with AMD Eyefinity and DisplayPort 1.2a <sup>1</sup>	6	6	6
Genlock/Framelock	No/No	Yes/ Yes	Yes/Yes
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 [in.amdfireprohub.com/software/maxon/](http://in.amdfireprohub.com/software/maxon/)



1. AMD Eyefinity technology supports up to six DisplayPort monitors on an enabled graphics card. Supported display quantity, type and resolution vary by model and board design. Mixed monitors of different resolutions are supported by select AMD FirePro™ professional graphics cards. Confirm specifications with manufacturer before purchase. To enable more than two displays, or multiple displays from a single output, additional hardware such as DisplayPort™-ready monitors or DisplayPort 1.2 MST-enabled hubs may be required. A maximum of two active adapters is recommended for consumer systems. See [www.amd.com/eyefinityfaq](http://www.amd.com/eyefinityfaq) for full details.

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