RADEON PRO

Radeon™ Pro Duo Professional Graphics Card

The World's First Dual-GPU Graphics Card Designed for Professionals

Unleash your creativity and create without constraints with the Radeon™ Pro Duo professional graphics card. The Radeon Pro Duo is the first dual-GPU solution that offers outstanding performance in professional applications and is backed by ISV certifications to ensure compatibility and stability.

Divide. Accelerate. Create.

With the Radeon Pro Duo graphics card, designers can now simultaneously use two software packages, with one GPU dedicated to the functions of each application concurrently. Live content creation using the first GPU, with real-time rendering and/or ray tracing on the second GPU is now possible. The user can benefit from shortened design cycles or is now able to do more design iterations within the allotted design window for an overall better outcome.
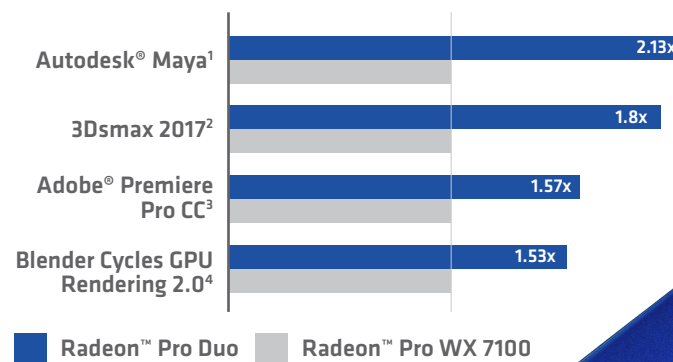
The Power of Duo

The Radeon Pro Duo, the world's first dual-GPU professional graphics solution, can accelerate supported applications or plug-ins for many of today's popular professional software such as Autodesk® Maya® and Dassault Systèmes® SOLIDWORKS®, reducing the amount of time needed to achieve a users' final design.

Bringing Tomorrow's VR Workflows into the Hands of Creators Today

Professional VR content creation is one of the design industry's major inflection points and is becoming more commonplace in today's workflows. From small design shops to big Hollywood studios, the Radeon™ Pro Duo professional graphics card can leverage the power of two GPUs to render out separate images for each eye, increasing performance significantly compared to a single GPU.

Radeon Pro Duo vs. Radeon Pro WX 7100[*]

Autodesk® Maya[1]	2.13x
3Dsmax 2017[2]	1.8x
Adobe® Premiere Pro CC[3]	1.57x
Blender Cycles GPU Rendering 2.0[4]	1.53x

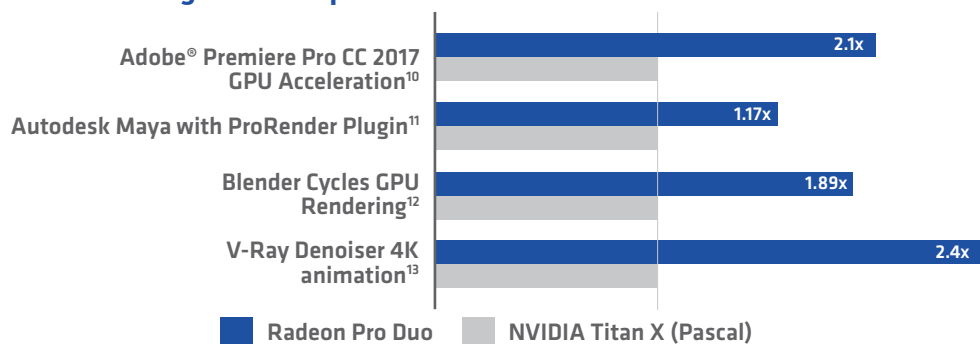■ Radeon™ Pro Duo   ▢ Radeon™ Pro WX 7100

Key Features:

- 32 GB GDDR5 memory (16GB per GPU)
- 3 DisplayPort™ 1.4 HBR3/HDR Ready outputs[6], 1 HDMI™ 4K60 output
- AMD Eyefinity multi-display technology. Learn more at amd.com/eyefinity
- Supports up to four 4K displays, or a single 8K display
- Up to 11.46 TFLOPS peak single precision performance
- OpenCL™, DirectX®, OpenGL® and Vulkan® support
- 250W maximum power consumption
- Full height/full length, dual-slot form factor

"In developing 4K 360 VR content, the biggest hurdle is the tech, because as an artist, I just want to create and not worry about limitations of the hardware. With the new Radeon Pro Duo, I immediately saw a speed difference of up to 2X, allowing me to push the boundaries of my projects without having to compromise on creativity or productivity."[5] – JONATHAN WINBUSH, FOUNDER & CREATIVE DIRECTOR, WINBUSH.TV

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Feature	Benefits
10-BIT COLOR	Native support for 10-bits per color channel for color-critical tasks. Driving an effective 30-bits per pixel, the Radeon™ Pro Duo is great for any workload requiring that level of detail and color precision.
HDR READY	High dynamic range (HDR) capability enables visuals that closely match what is familiar to the human eye.[7]
AMD LIQUIDVR™ TECHNOLOGY	AMD is making VR as comfortable as possible by lowering motion-to-photo latency. Enhance design realism and maintain ultra-immersive VR presence. Enjoy liquid-smooth visual performance and ultra-high frame rates – and cross over to the other side of realistic virtual environments and interaction.
RADEON™ VR READY CREATOR	Enable extraordinary performance and world-class innovation with Radeon™ VR Ready Creator products like the Radeon™ Pro Duo. Empower VR content creators and experience designers with amazingly powerful and capable development tools in the AMD LiquidVR™ SDK.[8] (Download the SDK @ http://gpuopen.com/gaming-product/liquidvr/)
SUPPORT FOR 4K, 5K AND 8K DISPLAYS	With three discrete DisplayPort 1.4 HBR3/HDR Ready[6] outputs, and one HDMI 4K60 output, the Radeon™ Pro Duo graphics card can drive up to four, 4K displays at 60Hz or one 5K or 8K display at 60Hz.
4K ACCELERATED ENCODE/DECODE	Supports multi-stream hardware HEVC 4K encode/decode for power-efficient and quick video encoding and playback.[9]

Drive Through the Competition with the Power of Duo**

Adobe® Premiere Pro CC 2017 GPU Acceleration[10] — **2.1x**
Autodesk Maya with ProRender Plugin[11] — **1.17x**
Blender Cycles GPU Rendering[12] — **1.89x**
V-Ray Denoiser 4K animation[13] — **2.4x**

■ Radeon Pro Duo   □ NVIDIA Titan X (Pascal)

To learn more about Radeon Pro, please visit: pro.radeon.com

AMD