AMD RADEON™ PRO W6400

Welcome to Dependable Performance.


MAINSTREAM PERFORMANCE. AND ALWAYS BY YOUR SIDE.

The AMD Radeon™ PRO W6400 graphics card, powered by the award winning AMD RDNA™ 2 architecture, features a powerful 4GB of dedicated GDDR6 memory, hardware raytracing, 16 MB of all new AMD Infinity Cache™ and is ready for 2x demanding UHD HDR displays supporting truer colors.

The complete AMD Radeon PRO W6000 range of GPUs are meticulously engineered to deliver ultra-high viewport frame rates, dependability and serious performance for popular professional applications.

- 4GB GDDR6 Memory
- Hardware Raytracing Support
- Optimized for 2x Displays. 8K and HDR Ready
- Accelerated Multitasking Performance
- PCIe® 4.0 Support for Advanced Data Transfers
- Certified for Many ISV Applications

Power Efficient Performance

Engineered from the ground up, the AMD RDNA™ 2 architecture introduces significant GPU advancements in the form of an enhanced Compute Unit, new visual pipeline, and all new AMD Infinity Cache™. In select professional applications, the AMD RDNA 2 architecture delivers up to 94% faster performance over previous generation GCN architecture[1]. This helps enable higher resolution performance together with vivid visuals, incorporating exceptional performance and power efficiency.
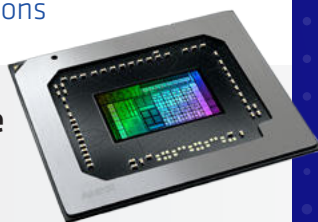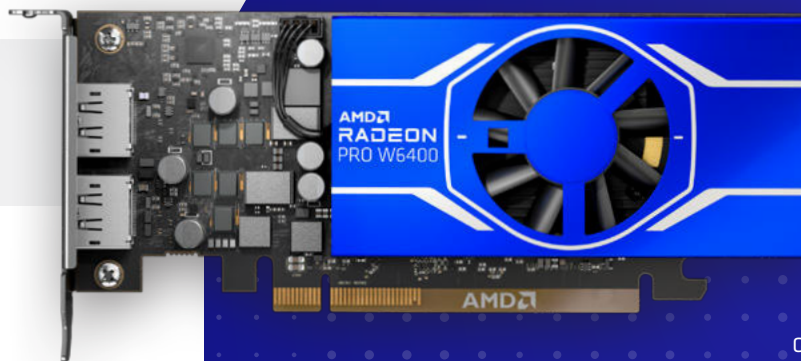
Affordable Realtime Hardware Raytracing

New to the AMD RDNA 2 Compute Unit is the implementation of a high-performance raytracing acceleration architecture known as the Ray Accelerator. This specialized hardware handles the intersection of rays directly on the AMD Radeon PRO W6400 for accelerated hardware raytracing.

Learn more about VR capabilities of Radeon PRO Graphics at amd.com/PRO-VR

GDDR6 4GB

Technical Specifications

GPU Architecture	AMD RDNA™ 2
Transistor Count	5.4 Billion (6 nm Process)
Stream Processors	768 (12 Compute Units)
Hardware Raytracing	Yes (12 Ray Accelerators)
Peak FP16 Throughput (Half Precision)	7.07 Teraflops of Compute Performance
Peak FP32 Throughput (Single Precision)	3.54 Teraflops of Compute Performance
AMD Infinity Cache™ (L3)	16 MB Graphics Cache
Dedicated Graphics Memory	4GB of High-Performance GDDR6
Peak Memory Bandwidth	128 GB per Second Transfer Speeds
PCI Express® Support	4.0 Ready (x4) with 3.0 Backward Compatibility
Error Correcting Code (ECC) Support	No
Professional ISV Certification Support	Yes
AMD Secure Processor (ASP)	Yes
VR and Realtime Ready	Yes
Remote Workstation[2] Ready	Yes
8K UHD and HDR Display Support	Yes
10-bit Color Ready for Truer Colors	Yes
Radeon PRO Viewport Boost Support[3]	Yes
AMD EyefinityTechnology Ready[4]	Yes
AV1 (AOMedia Video 1) Decode[5] Support	No
Video Acceleration[5] (HEVC / H265)	Yes – Decode
Display Connectors	2x DisplayPort™ 1.4 with DSC and Audio Support
Display Output Configurations (@ 60Hz with HDR Enabled.)	2x @ 3840x2160px (4K) 2x @ 5120x2880px (5K) 1x @ 7680x4320px (8K)
Supported APIs	DirectX® 12 Ultimate OpenGL® 4.6 OpenCL™ 2.2 Vulkan® 1.2
Peak Board Power	Up to 50 Watts of Power
Power Connectors	None
PSU Recommendation	350 Watts Minimum
Board Form Factor	Half Height, Single Slot 6.6" (168mm) Length
Supported Operating Systems (64-bit)	Microsoft® Windows® 10, Windows® 11, Linux®

AMD RADEON VR READY CREATOR

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