

AMD RADEON™ PRO W6300

Welcome to Compact,
Dependable Performance

**POWER USERS.
OFFICE MULTI-TASKERS.
BUDGET CONCIOUS.**

The AMD Radeon™ PRO W6300 graphics card, powered by the award-winning AMD RDNA™ 2 architecture, features a powerful 2GB of dedicated GDDR6 memory, hardware raytracing and is ready for 2x demanding UHD HDR displays supporting more accurate colors.

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

Office Productivity Workloads

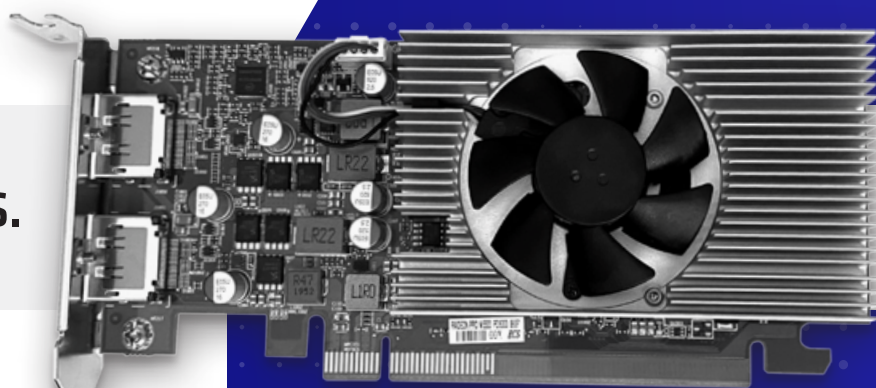
Even your standard office productivity tools can be a lot on your workstation. One minute you're on a teleconference with open spreadsheets, browsers, and emails; the next, you're rushing to create a last minute presentation. This is when you need your GPU to keep up with your demands. Enter the Radeon PRO W6300, meticulously engineered for these moments to bring power, flexibility, and agility for multi-tasking.

Image Editing Workloads

In today's workplace, we are constantly using our smartphones to capture whiteboards, documents, product samples, events, etc., that we use in presentations and social media. To correct, enhance, manipulate, and add text to these images, we need a GPU that is sensible for everyday work but powerful enough for high-resolution images, graphic illustrations, and simple video editing. The Radeon PRO W6300 GPU is built to be dependable and offers access to the latest graphics technology for affordable GPU, bringing 8K, Ultra-HD, HDR support, video decoding acceleration, and performance for media workloads.

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GDDR6
2GB

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)	6.27 Teraflops of Compute Performance
Peak FP32 Throughput (Single Precision)	3.13 Teraflops of Compute Performance
AMD Infinity Cache™ (L3)	8 MB Graphics Cache
Dedicated Graphics Memory	2GB of High-Performance GDDR6
Memory Bus	32-bit
Peak Memory Bandwidth	64 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 Workstation² Ready	Yes
8K UHD and HDR Display Support	Yes
10-bit Color Ready for Truer Colors	Yes
Radeon PRO Viewport Boost Support³	Yes
AMD EyefinityTechnology Ready⁴	Yes
AV1 (AOMedia Video 1) Decode⁵ Support	No
Video Acceleration⁵ (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® 1.3
Peak Board Power	Up to 32 Watts of Power
Power Connectors	None
PSU Recommendation	200 Watts Minimum
Board Form Factor	Half Height, Single Slot 6.6" (168mm) Length
Supported Operating Systems (64-bit)	Microsoft® Windows® 10, Windows® 11, Linux®

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