

HOW TO SELL THE NEW

# RADEON™ PRO WX 4100 WORKSTATION GRAPHICS CARD

World's Fastest Low-Profile Workstation Graphics Card<sup>1</sup>



## WHO'S IT FOR?

CAD professionals who want a flexible, sleek, and quiet small form-factor workstation



## SELL IT IN 5 SECONDS

Content creation has evolved over the past ten years, and so have the demands of designers and creators. Purpose-built for CAD professionals who want workstation performance in a small form factor, the Radeon™ Pro WX 4100 graphics card is the world's fastest low-profile workstation graphics solution available today.<sup>1</sup>



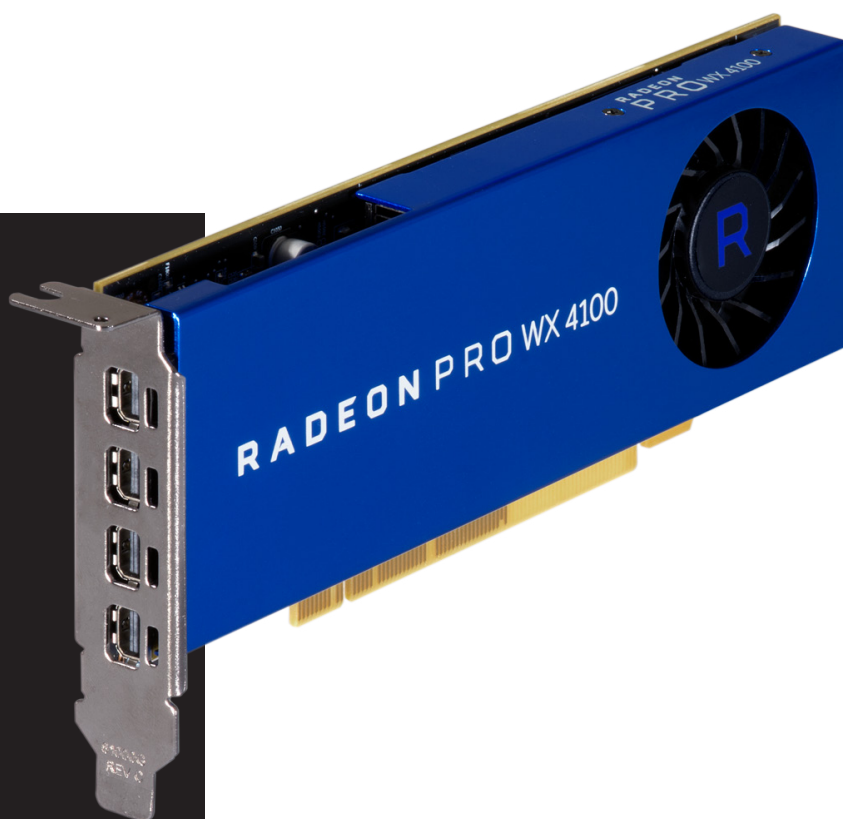
## SELL IT IN 60 SECONDS

The Radeon™ Pro WX 4100 graphics card is the latest, small form-factor workstation graphics card from AMD. Built on advanced 14nm FinFET technology, the Radeon Pro WX 4100 GPU contains all the latest innovations found in the state-of-the-art Polaris GPU architecture. Equipped with four Mini-DisplayPort 1.3/DP 1.4 outputs, 4GB of GDDR5 memory, 16 compute units (1024 stream processors) and over 2 TFLOPS of single precision compute performance, the Radeon™ Pro WX 4100 delivers workstation performance in a low-profile card, the fastest low-profile workstation card on the planet.<sup>1,2</sup>

- Fastest workstation graphics card in a low-profile design, built for small-form factor (SFF) and full-size desktop systems.<sup>1</sup>
- 4GB of GPU memory provide sufficient headroom for large models and datasets today and into the future.
- Capable of driving up to four 4K displays with its Mini-DisplayPort outputs.
- Future-ready with DisplayPort 1.3/DP 1.4, capable of driving one ultra-high resolution 5K display at 60Hz.<sup>2</sup>

"If you're in the market for a low-power, relatively high performing professional graphics card in the affordable price segments targeted by the Radeon Pro WX 5100 and WX 4100, by all means look into these new workstation professional cards by AMD. They support some of the latest graphics and display technologies, and their value proposition is strong in the current professional graphics market."

- MARCO CHIAPPETTA, HOT HARDWARE





## WHY IT'S GREAT

Feature	Benefit
4TH GENERATION GRAPHICS CORE NEXT (GCN) GPU ARCHITECTURE	The Radeon™ Pro WX 4100 graphics card is based on the fourth-generation of Graphics Core Next (GCN) GPU architecture and, like its predecessor, can perform graphic and arithmetic instructions in parallel.
4K/5K DISPLAY SUPPORT	Drive a single, 5K (5120x2880 pixel resolution) display, or up to four, 4K displays.
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 WX 4100 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. <sup>2</sup>



## HOW WE STACK UP

	RADEON™ PRO WX 4100	NVIDIA QUADRO K1200	AMD ADVANTAGE
PEAK SINGLE PRECISION	2.46 TFLOPS	1.0 TFLOPS	Yes
MAX BOARD TDP	50W	50W	--
MEMORY BANDWIDTH	96 GB/s	80 GB/s	Yes
5K SUPPORT	Yes	No	Yes
PERFORMANCE-PER-WATT (SPFP)	Up to 49.2 GFLOPS/W	Up to 20 GFLOPS/W	Yes
SIEMENS NX (SPECVIEWPERF 12.1) <sup>3</sup>	56.34	29.14	Up to 93% advantage
SOLIDWORKS (SPECVIEWPERF 12.1) <sup>4</sup>	14.32	7.26	Up to 97% advantage



## APP CERTIFIED

Radeon™ Pro WX 4100 is certified on many of today's most popular applications for design and manufacturing as well as media and entertainment. For a complete list of certified applications, please visit [www.amd.com/certified](http://www.amd.com/certified)

To learn more about Radeon Pro, please visit: [amd.com/radeonproWX](http://amd.com/radeonproWX)

1. Based on single precision compute performance. As of August 25, 2016, the Radeon™ Pro WX 4100 graphics card delivers up to 2.46 TFLOPS single precision compute performance at maximum clock speed vs. NVIDIA's fastest low-profile offering, the Quadro K1200, which offers up to 1 TFLOP single precision compute performance. AMD's fastest low-profile card prior to the Radeon Pro WX 4100 was the AMD FirePro™ W4300, delivering 1.43 TFLOPS single precision compute performance. See [http://www.nvidia.com/content/pdf/line\\_card/5409\\_nv\\_prographicsolutions\\_linecard\\_feb13\\_hr.pdf](http://www.nvidia.com/content/pdf/line_card/5409_nv_prographicsolutions_linecard_feb13_hr.pdf) RPW-2

2. As of September 2016, certified for DisplayPort™ 1.4 HBR3 and ready for DisplayPort™ 1.4 HDR based on independent verification by DisplayPort™ testing authority. HDR content requires that the system be configured with a fully HDR-ready content chain, including: graphics card, monitor/TV, graphics driver and application. Video content must be graded in HDR and viewed with an HDR-ready player. Windowed mode content requires operating system support. GD-100

3. Testing conducted by AMD Performance Labs as of September 2016 on test system described below. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta Nvidia Driver: 368.39 Application: SPECviewperf 12.1, official resolution Subtest: snx-02 AMD WX4100 Composite snx-02 score: 56.34 Nvidia Quadro K1200 Composite snx-02 score: 29.14 Performance Differential: 56.34/29.14 = ~93.34% faster on AMD RPW-10

4. Testing conducted by AMD Performance Labs as of September 2016 on test system described below. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta Nvidia Driver: 368.39 Application: SPECviewperf 12.1, official resolution Subtest: Shaded using RealView and Shadows and Ambient Occlusion Graphics Sub-composite AMD WX4100 subtest score: 14.32 Nvidia Quadro K1200 subtest score: 7.26 Performance Differential: 14.32/7.26 = ~97.25% faster on AMD RPW-11

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