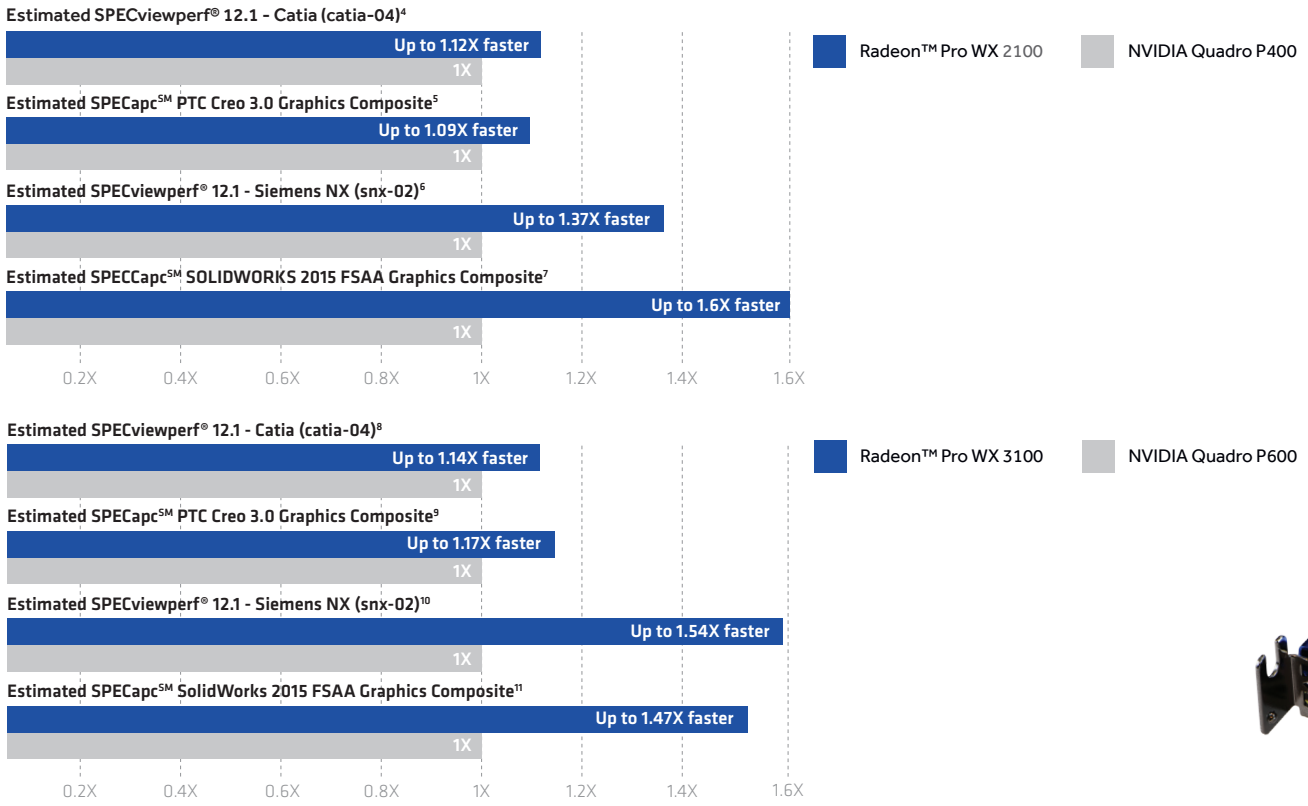
Radeon™ Pro WX 2100 and WX 3100 graphics

Redefining Entry Level Workstation Graphics

The Radeon™ Pro WX 2100 and WX 3100 graphics cards are redefining entry-level workstation graphics. These GPUs provide performance gains of up to 2x over the previous generation[1], providing users with mainstream performance, and advanced features all at an entry-level workstation graphics price point. The Radeon Pro WX 2100 and WX 3100 are covered by our 3-year limited warranty and optional 7-year limited extended warranty, and receives certifications on many of today's popular professional applications to ensure users get the best workstation experience.

The Radeon™ Pro WX 2100 delivers on average up to 20% faster performance than the comparable NVIDIA Quadro P400[2], while the Radeon™ Pro WX 3100 delivers on average up to 28% faster performance over the comparable NVIDIA Quadro P600[3]. This allows users to experience better frame rates and smoother performance than ever before in this class while working on their small CAD models, with applications such as SOLIDWORKS® and PTC Creo®.

Stacking Up Against the Competition*



Key Features:

- GPU Architecture: "Polaris"
- Compute Units: 8
- Stream Processors: 512
- Peak Single Precision Performance: 1.25 TFLOPS
- Display Support: 1x DisplayPort™ and 2x Mini-DisplayPort™ 1.4 HBR3/HDR Ready[12]

- **Memory Size:**
  - *WX 2100 - 2GB GDDR5*
  - *WX 3100 - 4GB GDDR5*
- **Memory Bandwidth:**
  - *WX 2100 - 48GB/s*
  - *WX 3100 - 96GB/s*
- **Max Board Power:**
  - *WX 2100 - 35W*
  - *WX 3100 - 50W*

Feature	Benefits
4TH GENERATION GRAPHICS CORE NEXT (GCN) GPU ARCHITECTURE	The Radeon™ Pro WX 2100 and WX 3100 graphics cards are based on the fourth-generation of Graphics Core Next (GCN) GPU architecture and, like its predecessor, can perform graphic and arithmetic instructions in parallel.
OPENCL™ 2.0 SUPPORT	Enables professionals to tap into the parallel computing power of modern GPUs and multi-core CPUs to accelerate compute-intensive tasks in leading CAD/CAM/CAE and Media & Entertainment applications that support OpenCL. The Radeon™ Pro WX 2100 and WX 3100 graphics cards supports OpenCL 2.0, allowing developers to take advantage of new features that give GPUs more freedom to do the work they are designed to do.
VULKAN®	A powerful low-overhead graphics API that gives software developers complete access to the performance, efficiency, and capabilities of Radeon™ Pro GPUs and multi-core CPUs.
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 WX 2100 and WX 3100 is great for any workload requiring that level of detail and color precision.
AMD EYEFINITY TECHNOLOGY SUPPORT	Industry-leading multi-display technology enabling highly immersive and unrivaled multi-tasking across up to three displays[13], powered by a single Radeon™ Pro WX 2100 or WX 3100 graphics card.
4K ACCELERATED ENCODE/DECODE	Multi-stream hardware H.265 HD encode/decode for power-efficient and quick video encoding and playback5playback[14].

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

Unless otherwise stated, results listed below are from testing conducted by AMD Performance Labs as of March 22nd, 2017 on a test system comprising of Intel E5-1650 v3 3.50 GHz, 16GB DDR4 physical memory, Windows 7 Professional 64-bit, Radeon™ Pro WX2100, WX 3100, AMD FirePro™ W2100, W4100, NVIDIA Quadro P600, P400. AMD graphics driver 17.10/NVIDIA graphics driver 376.84 and Samsung 850 PRO 512G SSD. Scores are estimates based on AMD internal lab measurements/modelling and may vary. Additional information about SPECviewperf®12.1 can be found at www.spec.org. PC manufacturers may vary configurations, yielding different results. Performance may vary based on use of latest drivers. Performance may vary based on use of latest drivers.

1. Benchmark Application: Estimated SPECviewperf®12.1 Geomean Results. Radeon™ Pro WX2100 score: 16.79, FirePro™ W2100 score: 8.61. Performance Differential: (16.79-8.61)/8.61 = ~94.96% faster performance on Radeon™ Pro WX2100. Radeon™ Pro WX3100 score: 27.92, FirePro™ W4100 score: 11.71. Performance Differential: (27.92-11.71)/11.71 = ~2.3x faster performance on Radeon™ Pro WX3100. RPW-172
2. Benchmark Application: Estimated SPECviewperf® 12.1 geomean. Radeon™ Pro WX2100 score: 16.79, NVIDIA Quadro P400 score: 13.91. Performance Differential: (16.79-13.91)/13.91 = ~20.72% faster performance on Radeon™ Pro WX2100. RPW-133
3. Benchmark Application: Estimated SPECviewperf® 12.1. Geomean Radeon™ Pro WX3100 score: 27.92, NVIDIA Quadro P600 score: 21.66. Performance Differential: (27.92-21.66)/21.66 = ~28.92% faster performance on Radeon™ Pro WX3100. RPW-142
4. Benchmark Application: Estimated SPECviewperf® 12.1 catia-04 viewset. Radeon™ Pro WX2100 score: 29.53, NVIDIA Quadro P400 score: 26.22. Performance Differential: (29.53-26.22)/26.22 = ~12.62% faster performance on Radeon™ Pro WX2100. RPW-128
5. Benchmark Application: Estimated SPECapc® PTC Creo 3.0 Graphics Composite. Radeon™ Pro WX2100 score: 4.24, NVIDIA Quadro P400 score: 3.88. Performance Differential: (4.24-3.88)/3.88 = ~9.28% faster performance on Radeon™ Pro WX2100. RPW-134
6. Benchmark Application: Estimated SPECviewperf® 12.1 snx-02 viewset. Radeon™ Pro WX2100 score: 36.60, NVIDIA Quadro P400 score: 26.61. Performance Differential: (36.60-26.61)/26.61 = ~37.54% faster performance on Radeon™ Pro WX2100. RPW-132
7. Benchmark Application: Estimated SPECapc® Dassault SolidWorks 2015 FSAA Graphics Composite Radeon™ Pro WX2100 score: 5.08, NVIDIA Quadro P400 score: 3.17. Performance Differential: (5.08-3.17)/3.17 = ~60.25% faster performance on Radeon™ Pro WX2100. RPW-136
8. Benchmark Application: Estimated SPECviewperf® 12.1 catia-04 viewset. Radeon™ Pro WX3100 score: 46.84, NVIDIA Quadro P600 score: 41.11. Performance Differential: (46.84-41.11)/41.11 = ~13.94% faster performance on Radeon™ Pro WX3100. RPW-137
9. Benchmark Application: Estimated SPECapc® PTC Creo 3.0 Graphics Composite. Radeon™ Pro WX3100 score: 6.32, NVIDIA Quadro P600 score: 5.40. Performance Differential: (6.32-5.40)/5.40 = ~17.04% faster performance on Radeon™ Pro WX3100. RPW-143
10. Benchmark Application: Estimated SPECviewperf® 12.1 snx-02 viewset. Radeon™ Pro WX3100 score: 56.25, NVIDIA Quadro P600 score: 36.41. Performance Differential: (56.25-36.41)/36.41 = ~54.49% faster performance on Radeon™ Pro WX3100. RPW-141
11. Benchmark Application: Estimated SPECapc Dassault SolidWorks 2015 FSAA Graphics Composite Radeon™ Pro WX3100 score: 6.30, NVIDIA Quadro P600 score: 4.26. Performance Differential: (6.30-4.26)/4.26 = ~47.89% faster performance on Radeon™ Pro WX3100. RPW-145
12. Product is based on the DisplayPort 1.4 Specification published February 23, 2016, and is expected to pass VESA's compliance testing process when available. GD-110
13. Learn more at www.amd.com/en/technologies
14. HEVC acceleration is subject to inclusion/installation of compatible HEVC players GD-81