HOW TO SELL THE NEW

RADEON™ PRO WX 7100 WORKSTATION GRAPHICS CARD

The World's Most Powerful Single-Slot Workstation Graphics Card[1], Ready for VR.

WHO'S IT FOR?

The Radeon™ Pro WX 7100 workstation graphics card is designed for the creators, visionaries and storytellers of the world. It is built for those who craft with intricate precision. These people include:

- Professional VR content creators
- Engineers and architects within the design and manufacturing space
- Artists in the media and entertainment industry

SELL IT IN 5 SECONDS

The Radeon™ Pro WX 7100 graphics card is the world's most powerful single-slot workstation GPU.[1] VR is the next major inflection point for Design and Manufacturing, as well as Media & Entertainment, and the WX 7100 delivers the performance needed to drive user experiences to this next level of immersion.

SELL IT IN 60 SECONDS

The new Radeon™ Pro WX 7100 graphics card is the world's most powerful single-slot workstation GPU and is designed for VR and the immersive computing era.[1] The Radeon™ Pro WX 7100 graphics card is based on the new Polaris GPU architecture, offers world-class performance for today's demanding design and engineering jobs and is future-ready to add Virtual Reality to tomorrow's workflows. With a price point of under MSRP $1000 USD at launch, the Radeon Pro WX 7100 brings professional VR content creation and exploration to the masses. It is equipped with 8GB of ultra-fast GDDR5 memory, 36 compute units (2304 stream processors), and delivers over 5 TFLOPS of peak single-precision GPU compute performance, more than twice as much as the closest competing solution.[1] Traditional workflows will benefit from viewing your content across up to four 4K monitors at 60Hz, empowering every creator, visionary and story teller with the ability to craft with intricate precision.

- The world's most powerful single-slot workstation GPU card, featuring over 5 TFLOPS of GPU compute performance.[1]
- AMD's affordable, VR-ready solution for the professional workspace today
- Drive up to four 4K displays at 60Hz
- Equipped with DisplayPort 1.4, users can drive up to one, single-cable 5K display @ 60Hz, or two, dual-cable 5K displays @ 60Hz.[2]

"The Radeon Pro WX 7100 is a very powerful workstation-class GPU. It not only delivers industry leading price/performance but does so in a single slot form factor, meaning it can be used in virtually all CAD workstation towers. When it comes to workstation VR, it's in a class of its own, significantly lowering the price of entry. Nvidia does not currently have a single slot 'VR Ready' workstation GPU and all of its dual slot 'VR Ready' GPUs cost considerably more."

- AEC MAGAZINE

AMD

WHY IT'S GREAT

Feature	Benefit
4TH GENERATION GRAPHICS CORE NEXT (GCN) GPU ARCHITECTURE	The Radeon™ Pro WX 7100 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.
RADEON™ VR READY CREATOR[3]	Enable extraordinary performance and world-class innovation with Radeon™ VR Ready Creator products like the Radeon™ Pro WX 7100. Empower VR content creators and experience designers with amazingly powerful and capable development tools in the AMD LiquidVR™ SDK.[3]
AMD LIQUIDVR™ TECHNOLOGY	AMD is making VR as comfortable as possible by lowering motion-to-photon 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.
HDR READY	High dynamic range (HDR) capability enables visuals that closely match what is familiar to the human eye.[2]
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 7100 is great for any workload requiring that level of detail and color precision.
5K DISPLAY SUPPORT	Drive up to two, 5K (5120x2880 pixel resolution) dual-cable displays @ 60 Hz, or a one, single-cable 5K display @ 60 Hz.

HOW WE STACK UP

	RADEON™ PRO WX 7100	NVIDIA QUADRO M4000	AMD ADVANTAGE
PEAK SINGLE PRECISION	5.73 TFLOPS	2.5 TFLOPS	Yes
MAX BOARD TDP	130W	120W	--
MEMORY BANDWIDTH	224 GB/s	192 GB/s	Yes
5K SUPPORT	Yes	No	Yes
PERFORMANCE-PER-WATT (SPFP)	Up to 44.1 GFLOPS/W	Up to 20.8 GFLOPS/W	Yes
SOLIDWORKS 2015[4]	21.0	14.45	Up to 45.33% Faster
ADOBE PREMIERE PRO CC[5]	2073 secs	2959 secs	Up to 42.74% Faster

APP CERTIFIED

Radeon™ Pro WX 7100 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

To learn more about Radeon Pro, please visit: **amd.com/radeonproWX**

1. Based on single precision floating point performance. As of August 25, 2016, the Radeon™ Pro WX 7100 graphics card is a single-slot board that delivers up to 5.73 TFLOPS of single-precision floating point performance at maximum clock speed, and the fastest NVIDIA single-slot board is the NVIDIA Quadro M4000, with a peak single-precision floating point performance of 2.5 TFLOPS. Seehttp://www.nvidia.com/content/pdf/line_card/5409_nv_prographicssolutions_linecard_feb13_hr.pdf RPW-6
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. Radeon VR Ready Creator Products are select Radeon Pro and AMD FirePro™ GPUs that meet or exceed the Oculus Rift or HTC Vive recommended specifications for video cards/GPUs. Other hardware (including CPU) and system requirements recommended by Oculus Rift or HTC Vive should also be met in order to operate the applicable HMDs as intended. As VR technology, HMDs and other VR hardware and software evolve and/or become available, these criteria may change without notice.
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: SPECapc Dassault SolidWorks 2015, no FSAA Subtest: Shaded using RealView and Shadows and Ambient Occlusion Graphics Sub-composite AMD WX7100 subtest score: 21.00 Nvidia Quadro M4000 subtest score: 14.45 Performance Differential: 21.00/14.45 = ~45.33% faster on AMD RPW-18
5. 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. System: DELL Precision Tower 5810 Workstation CPU: Intel Xeon E5-1603 v3 2.80GHz, Memory: 64GB RAM, OS: Win10 Pro 64-bit Build 14393, AMD Driver: 16.40. Nvidia Driver: 369.26 Storage: SK Hynix SSD 512GB Application: Adobe Premiere Pro CC 2015 Subtest: / AMD WX7100 time to render 37 GPU-accelerated effects: 34 mins 33 secs = 2073 seconds Nvidia Quadro M4000 time to render 37 GPU-accelerated effects: 49mins 19 secs = 2959 seconds Performance Differential: 2959/2073 = ~42.74% slower on Nvidia/~42.74% faster on AMD RPW-22

AMD