RADEON PRO

R

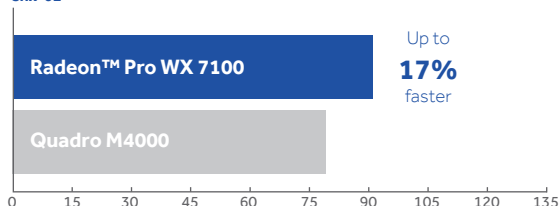## Radeon™ Pro Professional Graphics - Competitive Comparison

Radeon™ Pro WX 7100

The World's Most Powerful
Single-Slot Workstation Card[1]

NX

vs. Quadro M4000
SPECviewperf 12.1, official resolution
snx-02

Radeon™ Pro WX 7100	Up to **17%** faster
Quadro M4000	

Scale: 0 15 30 45 60 75 90 105 120 135

Radeon Pro WX 7100 delivers up to 17% more performance than Quadro M4000 in Siemens NX SPECviewperf 12.1*

SOLIDWORKS®

vs. Quadro M4000
SPECapc SolidWorks 2015, no FSAA
SOLIDWORKS 2015

Radeon™ Pro WX 7100	Up to **45%** faster
Quadro M4000	

Scale: 0 4 8 12 16 20 24 28 32 36
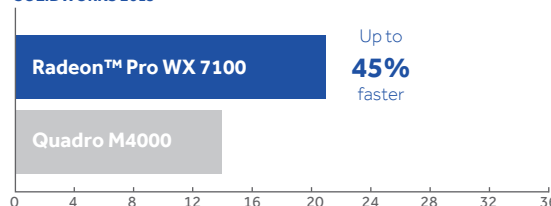
Radeon Pro WX 7100 delivers up to 45% more performance than Quadro M4000 in SPECapc SOLIDWORKS® 2015*

BLENDER®

vs. AMD FirePro™ W7100
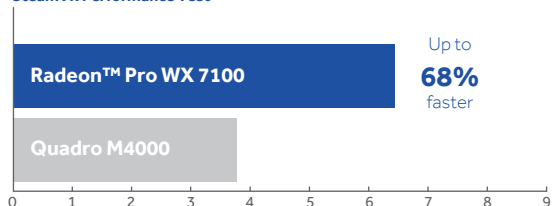SPECviewperf 12.1, official resolution
Blender Blenchmark

Radeon™ Pro WX 7100	Up to **57%** faster
FirePro W7100	

Scale: 0 30 60 90 120 150 180 210 240 270
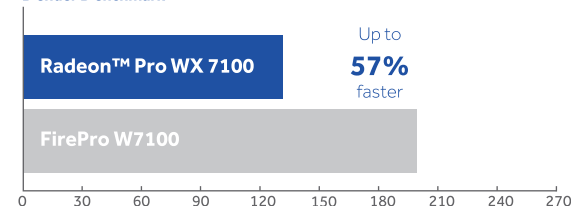
Radeon Pro WX 7100 delivers up to 57% more performance in Blender than the AMD FirePro™ W7100*

STEAMVR

vs. Quadro M4000
STEAM
SteamVR Performance Test

Radeon™ Pro WX 7100	Up to **68%** faster
Quadro M4000	

Scale: 0 1 2 3 4 5 6 7 8 9

Radeon Pro WX 7100 delivers up to 68% more performance per watt than Quadro M4000 in SteamVR Performance Test**

ADOBE® PREMIERE®PRO CC 2015

vs. Quadro M4000
Adobe Premiere Pro CC 2015

Radeon™ Pro WX 7100	Up to **43%** faster
Quadro M4000	

Scale: 0 10 20 30 40 50 60 70 80 90
Time (minutes) to render 37 GPU-accelerated effects
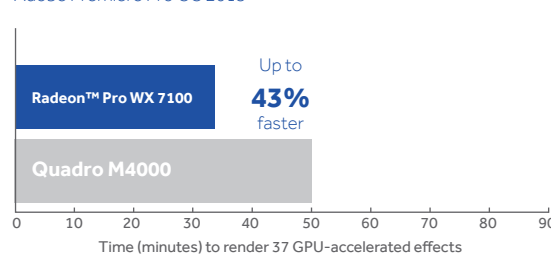
Radeon Pro WX 7100 delivers up to 43% more performance than Quadro M4000 on GPU-acceleration in Adobe® Premiere Pro® CC 2015**

CINEBENCH

vs. Quadro M4000
CINEBENCH Windows 64 Bit
OpenGL Test

Radeon™ Pro WX 7100	Up to **22%** faster
Quadro M4000	

Scale: 0 20 40 60 80 100 120 140 160 180
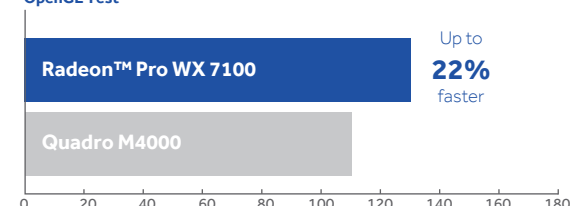
Radeon Pro WX 7100 delivers up to 22% more performance than Quadro M4000 in CINEBENCH**

RADEON PRO

Radeon™ Pro Professional Graphics - Competitive Comparison

Radeon™ Pro WX 5100

The Radeon™ Pro WX 5100 graphics card is the fastest 75W TDP workstation graphics card on the market today.[2]

NX

vs. Quadro M2000
SPECviewperf 12.1, official resolution
snx-02

Radeon™ Pro WX 5100 — Up to **41%** faster
Quadro M2000

Radeon Pro WX 5100 delivers up to 41% more performance than Quadro M2000 in Siemens NX SPECviewperf ®12.1

SOLIDWORKS®

vs. Quadro M2000
SPECapc SolidWorks 2015, no FSAA
SOLIDWORKS 2015

Radeon™ Pro WX 5100 — Up to **34%** faster
Quadro M2000

Radeon Pro WX 5100 delivers up to 34% more performance than Quadro M2000 in SPECapc® Solidworks® 2015

3DS MAX®

vs. Quadro M2000
SPECviewperf 12.1, official resolution
3dsmax-05

Radeon™ Pro WX 5100 — Up to **11%** faster
Quadro M2000

Radeon Pro WX 5100 delivers up to 11% more performance than Quadro M2000 in 3DSMax SPECviewperf® 12.1®

Test System: CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta, Nvidia Driver: 368.39
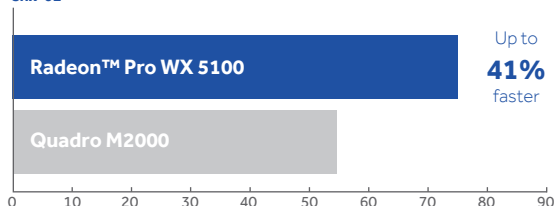

Radeon™ Pro WX 4100

The Radeon™ Pro WX 4100 graphics card is the first low-profile workstation graphics card to break the 2 TFLOPS single precision compute performance barrier.[3],[4]
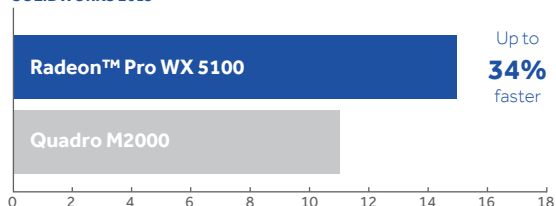

NX

vs. Quadro K1200
SPECviewperf 12.1, official resolution
snx-02

Radeon™ Pro WX 4100 — Up to **93%** faster
Quadro K1200

Radeon Pro WX 4100 delivers up to 93% more performance than Quadro K1200 in Siemens NX SPECviewperf® 12.1

SOLIDWORKS®

vs. Quadro K1200
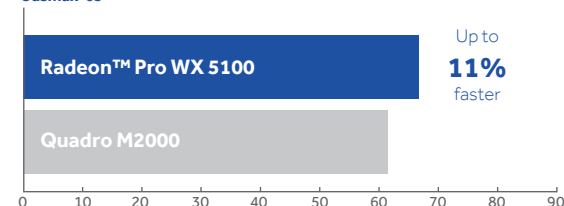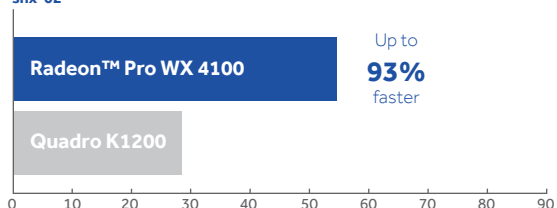SPECapc SolidWorks 2015, no FSAA
SOLIDWORKS 2015

Radeon™ Pro WX 4100 — Up to **97%** faster
Quadro K1200

Radeon Pro WX 4100 delivers up to 97% more performance than Quadro K1200 in SPECapc Solidworks® 2015

3DS MAX®

vs. Quadro K1200
SPECviewperf 12.1, official resolution
3dsmax-05

Radeon™ Pro WX 4100 — Up to **36%** faster
Quadro K1200

Radeon Pro WX 4100 delivers up to 36% more performance than Quadro K1200 in 3DSMax® SPECviewperf® 12.1

Test System: CPU: Intel E5-1650 v3 3.50GHz, Memory: 16GB RAM, OS: Win7 64-bit SP1, AMD Driver: 16.40 Beta, Nvidia Driver: 368.39

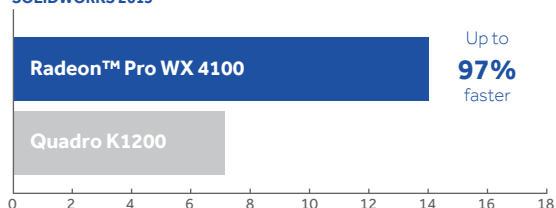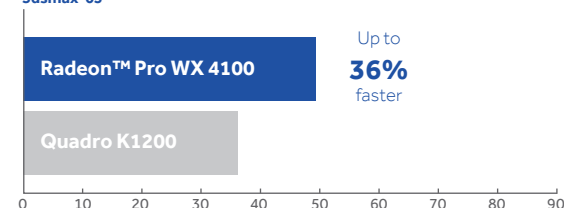[2]. Based on single precision compute performance. As of August 25, 2016, the Radeon™ Pro WX 5100 workstation GPU delivers up to 3.89 TFLOPS of single-precision compute performance at maximum clock speed with a TDP of 75 watts, and the NVIDIA Quadro M2000 delivers 1.3 TFLOPS of single-precision compute performance with a TDP of 75 watts. See https://www.techpowerup.com/gpudb/2837/quadro-m2000 RPW-8

[3]. 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 1TFLOP 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_prographicssolutions_linecard_feb13_hr.pdf RPW-2

[4]. 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. AMD's fastest low-profile card prior to the Radeon Pro WX 4100 was the AMD FirePro™ W4300, delivering 1.43 TFLOPS single precision. See http://www.nvidia.com/content/pdf/line_card/5409_nv_prographicssolutions_linecard_feb13_hr.pdf As of August 25, 2016, the Radeon™ Pro WX 4100 graphics card rated TDP board power is 50W and the NVIDIA Quadro K1200 rated TDP is 45W. See http://www.nvidia.com/content/quadro/pdf/quadro-power-guidelines.pdf RPW-4