AMD FIREPRO™ W2100 & W4100 WORKSTATION GRAPHICS
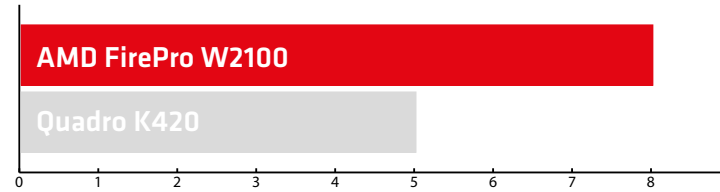## Competitive Comparison

AMD FirePro™ W2100
Professional Graphics Starts here ($139)

- 2GB DDR3 Memory (28.8GB/s)
- 320 GCN Stream Processors
- 2x DisplayPort 1.2a
- Half-Height Form factor (HH/HL)
- PCIe 3.0

vs. Quadro K420 ($169[1])
SPECviewperf 12.0.1 GEOMEAN[2]

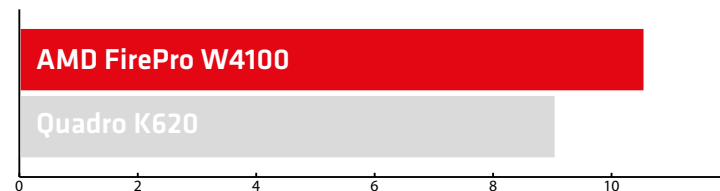|	W2100	NVS 315	K420	Advantage
Cores	320	48	192	FirePro
Peak SPFP (TFLOPS)	0.403	n/a	0.336	FirePro
GPU Memory (GB)	2	1	1	FirePro
PCIe®	3	2	2	FirePro
Max Displays with DP1.2[3]	2	none	1	FirePro

AMD Advantage

+ Lower Costs (~20% less)

+ Higher VP12 Performance

+ 2x GPU Memory

+ More cores

AMD FirePro™ W4100
In a Class of Its Own ($179)

- 2GB GDDR5 Memory (64GB/s)
- 512 GCN Stream Processors
- 4x DisplayPort 1.2a
- Half-Height Form factor (HH/HL)
- PCIe 3.0

vs. Quadro K620 ($199[1])
SOLIDWORKS SPECapc AmbientOcclusion Composite[2]

	W4100	NVS 510	K620	Advantage
Cores	512	192	384	FirePro
Memory Bandwidth (GB/s)	64	29	29	FirePro
PCIe®	3	2	2	FirePro
Max Displays with DP1.2[3]	4	4	1	-

AMD Advantage

+ Lower Costs (~10% less)

+ Up to 20% more performance in CAD apps like SOLIDWORKS

+ More Cores

+ Up to 2x Memory Bandwidth

+ Less than half the price of NVS510

AMD FIREPRO™ W5100 & W7100 WORKSTATION GRAPHICS
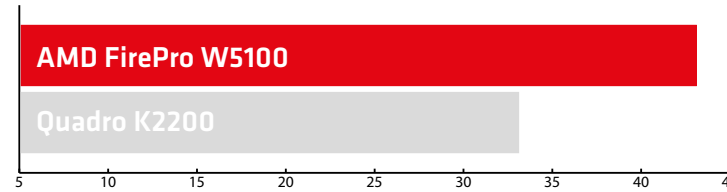## Competitive Comparison

AMD FirePro™ W5100
Tackle Larger Projects ($399)

- 4GB GDDR5 Memory (96GB/s)
- 768 GCN Stream Processors
- 1.4 TFLOPS Peak Single Precision
- 4x DisplayPort 1.2a
- Single-slot Form factor (FH/HL)
- PCIe 3.0

vs. Quadro K2200 ($599[1])
VP12 Creo_067_carShadedAA8[2]

	W5100	K2200	K620	Advantage
Cores	768	640	384	FirePro
Peak SPFP (TFLOPS)	1.4	1.3	0.8	FirePro
GPU Memory (GB)	4	4	2	FirePro
Memory Bandwidth (GB/s)	96	80	29	FirePro
PCIe®	3	2	2	FirePro
Max Displays with DP1.2[3]	4	2	1	FirePro

AMD Advantage

- \+ Lower Cost ($200 less)
- \+ Up to 30% more performance in CAD apps like PTC Creo
- \+ More Cores
- \+ Quad-Display
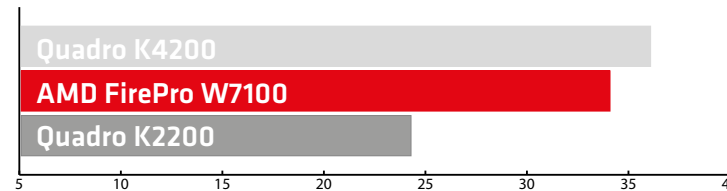- \+ Memory Bandwidth with PCIe 3.0

AMD FirePro™ W7100
The Ultimate Engineering and Media and Entertainment Solution ($799)

- 8GB GDDR5 Memory
- 1792 GCN Stream Processors
- 3.3 TFLOPS Peak Single Precision
- 4x DisplayPort 1.2a
- Single-slot Form factor (FH/FL)
- PCIe 3.0

vs. Quadro K4200 ($1249[1])
SPECviewperf® 12.0.1 GEOMEAN[2]

	W7100	K4200	K2200	Advantage
Cores	1792	1344	640	FirePro
Peak SPFP (TFLOPS)	3.3	2.1	1.3	FirePro
GPU Memory (GB)	8	4	4	FirePro
PCIe®	3	2	2	FirePro
Max Displays with DP1.2[3]	4	2	2	FirePro

AMD Advantage

- \+ Best Price ($450 less)
- \+ Higher VP12 Performance/$
- \+ More Cores
- \+ 2x GPU Memory
- \+ More Compute
- \+ Up to 6 Displays
- \+ Single Slot Solution