

AMD FIREPRO™ V7900 PROFESSIONAL GRAPHICS CAD Benchmarking



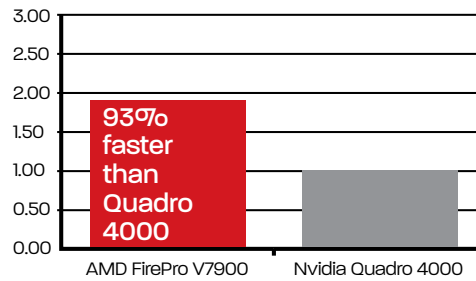
CREATE BREAKTHROUGH DESIGNS

High-end graphics performance and broad feature set with AMD Eyefinity for 4 displays

- 2GB GDDR5 memory (160 GB/s)
- 1280 Stream Processors
- DirectX® 11 and OpenGL® 4.2 support
- 4 x DisplayPort 1.2
- GeometryBoost
- AMD PowerTune
- 3D Stereoscopic support
- Framelock, Genlock support

RENDERING PERFORMANCE BENCHMARKING OF THE NEW AMD FIREPRO V7900 PROFESSIONAL GRAPHICS CARD.

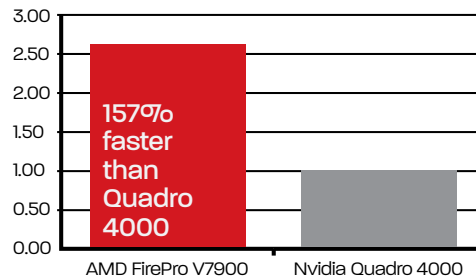
SPECAPC UGS NX4 GRAPHICS COMPOSITE



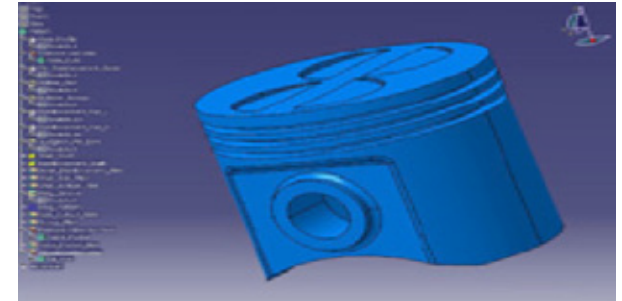
SPECapc UGS NX4 Graphics Composite Benchmark (overall timed score - measured as % faster, Quadro 4000 score normalized to 100%, higher score better)



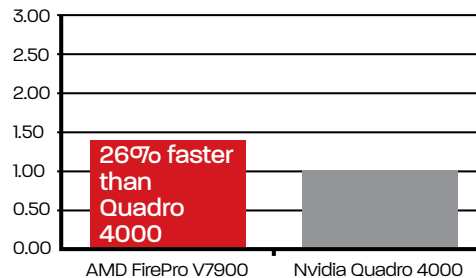
CATBENCH 64-BIT R19SP2 PISTON



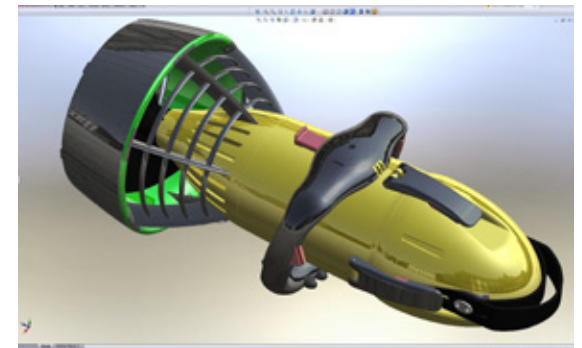
CATIA Catbench Internal 64-bit R19SP2 Piston model, shaded+edges (overall timed score - measured as % faster, Quadro 4000 score normalized to 100%, higher score better)



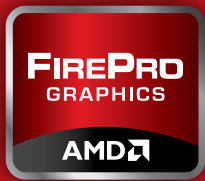
SOLIDWORKS 2011 SP3 (INTERNAL BENCHMARK) CAMERA MODEL, HIDDEN LINE VISIBLE MODE



Solidworks 2011 SP3 (internal benchmark) camera model, Hidden Line Visible mode (frames per second, Higher is better)



All benchmarks conducted on : System config: HP Z400, W3680 @ 3.33, 16GB DDR3 RAM, Win7 64-bit SP1 ATI driver: 8.88 beta ; Nvidia driver 275.65 - 3dsmax2011 defDX driver used for Q400, Q600, Q2000 since performance driver failed



NEXT GENERATION OF AMD FIREPRO™ WORKSTATION GRAPHICS

Optimized for CAD/CAM/CAE

WHY AMD FIREPRO™ GRAPHICS?

- Designed and built by AMD for outstanding reliability and performance
- Leading edge technology with comprehensive ISV certification
- Free unified drivers deliver advanced levels of graphics stability
- Open standard support (Microsoft® DirectX® 11, OpenGL® 4.2, OpenCL™ 1.1)
- Every FirePro graphics comes with the highest levels of customer support

NEW AMD FIREPRO™ GRAPHICS CARDS

AMD FirePro™ V4900

Outstanding performance and reliability for professionals who work with small to medium models.



AMD FirePro™ V5900

First graphics card in its class with 2 GB memory and AMD Eyefinity for 3 displays



AMD FirePro™ V7900

High-end graphics performance and broad feature set with AMD Eyefinity for 4 displays



NEW AND UNIQUE FEATURES

GeometryBoost Technology:
Helps ensure smooth handling of complex, highly tessellated models

AMD PowerTune Technology:
Optimizes power usage in real-time based on current workflow demands

AMD Eyefinity Technology:
Run up to 4 monitors from a single graphics card, boosting productivity by viewing entire workflows.

AMD CrossFire™ Pro:
Harness the power of two GPU's with a an easy to install flex cable connector.

OPTIMIZED AND CERTIFIED BY MAJOR CAD AND DCC VENDORS

A rigorous and exacting certification process, conducted by software vendors, puts AMD FirePro™ professional graphics up against a series of simulations and real-world scenarios, ensuring compatibility and stability required by professionals.

AMD FirePro professional graphics are certified for:

- Engineering and Design (CAD/CAE/AEC)
- Digital Content Creation (DCC) & Digital Media
- Geographical Information Systems (GIS) & Visualization
- Life Sciences
- Oil & Gas



Graphics Card	Display			Performance				Features									
	Dual-link DVI	DisplayPort 1.2	Maximum Display resolution @60Hz	AMD Eyefinity	Stream Processors	Memory	Memory Bandwidth (GB/s)	AMD CrossFire	GeometryBoost	AMD PowerTune	OpenCL	OpenGL	DirectX	Shader Model	3D Stereoscopic	FrameLock/ GenLock	Warranty
AMD FirePro™ V4900	x1	x2	2560 x 1900	x3	480	1GB	64	●			1.1	4.2	11	5.0			3yr
AMD FirePro™ V5900	x1	x2	2560 x 1900	x3	512	2GB	64	●	●	●	1.1	4.2	11	5.0			3yr
AMD FirePro™ V7900		x4	2560 x 1900	x4	1280	2GB	160	●	●	●	1.1	4.2	11	5.0	●	●	3yr