



Enabling an Unbeaten Workstation-class Experience at Entry Level Price Points



AMD FirePro™ V3900

PROFESSIONAL GRAPHICS



Key Messages:

- » Superb performance for the 3D entry segment
- » Supports DL-DVI and DisplayPort 1.2 connectivity
- » Drive up to 5 HD displays using DisplayPort 1.2 multi-streaming and AMD Eyefinity technology²
- » Drive up to 2 independent 30" displays at a full 2560x1600 resolution
- » Half-height design supports both standard and low-profile workstation form factors
- » PCI Express® 2.1 compliant
- » Low power consumption

FEATURES	BENEFITS
1GB DDR3 Memory/ Frame Buffer	Increased memory capacity extends GPU performance when working with larger datasets and extended desktop resolutions. ¹
AMD Eyefinity multi-display technology and support for DisplayPort 1.2 multi-streaming technology	Enhances multitasking efficiency by enabling immersive desktop computing experience across up to 5 simultaneous display devices through an easy-to-use setup utility. ²
Software Partner-Certified Drivers	AMD FirePro™ professional graphics cards are tested and certified by our software partners to ensure reliability and performance for professional applications. Running certified AMD FirePro™ professional graphics cards and drivers is a great way to ensure an optimal user experience.
World-Class AMD Technical Support	Whether supported through our OEM partners (HP, Dell, etc.) or directly by AMD, AMD FirePro™ professional graphics cards users can rely on timely access to technical support when needed. This helps ensure a great user experience and maximized productivity.
Full support for OpenCL™, OpenGL and DirectX® APIs ⁶	Ensures compatibility with emerging GPU acceleration capabilities in today's (and tomorrow's) professional design applications, helping contribute to a stellar user experience.
AMD AutoDetect Technology	As a user moves between applications, or opens new ones, the AMD Catalyst™ Pro graphics driver settings are automatically reconfigured on-the-fly for optimal performance and productivity for advanced and mixed workflows.
Full 30-bit Display Pipeline ⁴	Enables four times more color values than 24-bit products for more accurate color reproduction and superior visual fidelity. This enables better decision-making and more accurate designs.

¹ Compared to the Nvidia Quadro 400 with only 512 MB memory.

NVIDIA memory specs: <http://www.nvidia.com/object/product-quadro-400-us.html>

² AMD Eyefinity technology works with applications that support non-standard aspect ratios, which is required for panning across multiple displays. To enable more than two displays, additional panels with native DisplayPort connectors, and/or DisplayPort compliant active adapters to convert your monitor's native input to your cards DisplayPort or Mini-DisplayPort connector(s), are required. AMD Eyefinity technology can support up to 6 displays using a single enabled AMD FirePro™ graphics card with Windows Vista or Windows 7 operating systems – the number of displays may vary by board design and you should confirm exact specifications with the applicable manufacturer before purchase. SLS ("Single Large Surface") functionality requires an identical display resolution on all configured displays. The AMD FirePro™ V3900 can support 5 HD (1920x1080) displays using AMD Eyefinity and DisplayPort 1.2 multi-streaming technologies (4 x 1920x1080p DisplayPort displays + 1 x DVI) and requires DisplayPort 1.2 multi-streaming-enabled monitors and/or hubs.

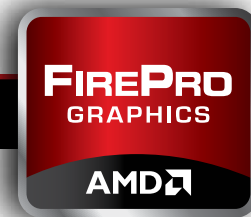
³ Toll-free phone service available in U.S. and Canada only, email access is global

⁴ 30-bit monitor required for full 30-bit display

⁵ Linux® drivers can be downloaded from support.amd.com

⁶ For up to date details on API support visit: <http://www.amd.com/api>

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PERFORMANCE BENCHMARKS

SPECviewperf® 11, SPECcapcSM & Internal Benchmark Testing*



* Based on AMD internal performance benchmarking performance as of 1/2012 System config: Intel X3680 @ 3.33GHz, Intel X58, 16GB RAM, Win7 Prof 64-bit SP1, AMD Catalyst Pro driver version: 8.88, Nvidiadriv: 275.65 NVIDIA Quadro400 specifications: <http://www.nvidia.com/object/product-quadro-400-us.html>

PRODUCT SPECIFICATIONS

GPU	
Stream Processors	480
Memory Interface	128-bit
Raw Floating Point Performance	624Gflops
Memory	
Size/Type	1GB GDDR3
Bandwidth (GB/s)	28.8GB/s
Display Outputs	
DisplayPort 1.2	1 standard
Dual-link DVI	1
Max Resolution per output	2560x1600
API/Feature/OS Support	
DirectX®	Yes, DirectX 11
OpenGL®	v4.2 ⁶
OpenCL™	v1.1 ⁶
Shader Model	5.0
AMD Eyefinity multi-monitor technology support	Yes
OS Support	Microsoft® Windows® 7, Microsoft® Windows® XP, Microsoft® Windows Vista® and Linux® ^{6,5} (32-bit or 64-bit) ⁶
Thermal/Power/Form Factor	
Max Power (TDP)	< 75 W
Max Power (Measured)	< 50 W
# Slots required	1
Form Factor	Half Length (includes full-height bracket)
Bus Interface	PCI Express® 2.1 x16
Additional Details	
System Requirements	> 512MB of system memory > Available PCIe® lane > Microsoft® Windows® 7, Microsoft® Windows® XP, Microsoft® Windows Vista® or Linux® ^{6,5} (32-bit or 64-bit) ⁶
Warranty and Support	> Three year limited product repair / replacement warranty > Direct toll free phone and email access to dedicated workstation technical support team ⁵ > Advanced parts replacement option
Regulatory Compliance	FCC, CE, C-Tick, BSMI, KCC, UL, VCCI, RoHS and WEEE



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