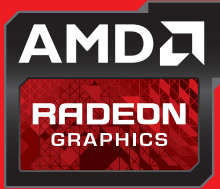


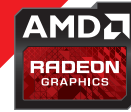
April 2014



AMD RADEON™ GRAPHICS

CHANNEL COMPETITIVE POSITIONING TOOL

3D Mark® FireStrike	Memory Size	Memory Bit-Interface	Compute Power	AMD Radeon™	VS	NVIDIA GeForce¹	Compute Power	Memory Bit-Interface	Memory Size	3D Mark® FireStrike	AMD Advantage (%)
9828²	4GB	512-bit	5.6 TFLOPS	R9 290X	VS	GTX 780 Ti	5.0 TFLOPS	384-bit	3GB	9800²	0%
9837²	4GB	512-bit	5.6 TFLOPS	R9 290X	VS	GTX 780	4.0 TFLOPS	384-bit	3GB	8754²	12%
9294²	4GB	512-bit	4.9 TFLOPS	R9 290	VS	GTX 780	4.0 TFLOPS	384-bit	3GB	8754²	6%
7485²	3GB	384-bit	4.1 TFLOPS	R9 280X	VS	GTX 770	3.2 TFLOPS	256-bit	2GB	6930²	8%
7485²	3GB	384-bit	4.1 TFLOPS	R9 280X	VS	GTX 760	2.3 TFLOPS	256-bit	2GB	5500²	36%
6621²	3GB	384-bit	3.3 TFLOPS	R9 280	VS	GTX 760	2.3 TFLOPS	256-bit	2GB	5500²	20%
5534²	2GB	256-bit	2.7 TFLOPS	R9 270X	VS	GTX 660	1.9 TFLOPS	192-bit	2GB	4519²	22%
5212²	2GB	256-bit	2.4 TFLOPS	R9 270	VS	GTX 660	1.9 TFLOPS	192-bit	2GB	4519²	15%
4705²	2GB	256-bit	1.9 TFLOPS	R7 265	VS	GTX 750 Ti	1.4 TFLOPS	128-bit	2GB	4152²	13%
3732³	1GB/2GB	128-bit	2.0 TFLOPS	R7 260X	VS	GTX 750	1.1 TFLOPS	128-bit	1GB	3591³	4%
3400³	1GB/2GB	128-bit	1.5 TFLOPS	R7 260	VS	GTX 650 Ti	1.4 TFLOPS	128-bit	1GB	2949³	15%
2723⁴	1GB	128-bit	1.3 TFLOPS	R7 250X	VS	GTX 650	813 GFLOPS	128-bit	1GB	2023⁴	35%
2101⁵	1GB/2GB	128-bit	806 GFLOPS	R7 250	VS	GT 640	803 GFLOPS	64-bit	1GB/2GB	1634⁵	29%
1490⁵	1GB/2GB	128-bit	499 GFLOPS	R7 240	VS	GT 630	692 GFLOPS	64-bit	1GB/2GB	998⁵	49%
390⁶	1GB/2GB	64-bit	200 GFLOPS	R5 230	VS	GT 610	156 GFLOPS	64-bit	1GB/2GB	378⁶	3%



GCN ARCHITECTURE

Submit to the unbridled power of the revolutionary AMD Radeon™ R9 and R7 Series Graphics Cards, armed with the ground-breaking GCN Architecture. Crank the settings, devastate your enemies, and bear witness to absurdly high framerates. Your games have never looked this good.

AMD EYEFINITY TECHNOLOGY

Feel truly in the game with AMD Eyefinity technology, an immersive experience that expands your game across up to six displays. Welcome to surround sight.⁷

AMD POWERTUNE TECHNOLOGY

Enables intelligent power monitoring to enable higher clock speeds and better performance in your favorite games.⁸

AMD ZERO CORE POWER TECHNOLOGY

AMD ZeroCore Power technology delivers unmatched power savings in systems with single or multi-GPU configurations.⁸

AMD CROSSFIRE™ TECHNOLOGY

Don't settle for "medium." Crank those settings and see the latest games at their very best with two or more AMD Radeon™ HD GPUs configured with AMD CrossFire™ technology. Don't forget to brag to your friends.⁹

AMD APP ACCELERATION

AMD Radeon™ R9 and R7 Series Graphics Cards with AMD App Acceleration allow you to run multiple applications without having to sacrifice speed and reliability.¹⁰

MANTLE

Mantle gives game developers the power to speak directly to the AMD GPU core.¹¹ With such a direct connection to your hardware, game developers are discovering a whole new world of immersion and performance made possible by AMD graphics leadership.

AMD TRUEAUDIO TECHNOLOGY

Introducing a new level of immersion. Available on select AMD Radeon™ R9 and R7 series graphics cards, AMD TrueAudio Technology surrounds you with the breathtaking reality.¹² Harness performance-charged GCN Architecture to keep your opponents on their heels. You've never experienced the game like this.

1. Taken from: <http://www.geforce.com/hardware> on March 2014.

2. System Configuration: Core i7, 4960X (3.6GHz), ASUS X79 SABERTOOTH, 16GB DDR3-1866 MHz, Windows 8.1 64bit, 13.11 Beta 6, 331.65 WHQL

3. System Configuration: Core i7, 4960X (3.6GHz), ASUS X79 SABERTOOTH, 16GB DDR3-1866 MHz, Windows 8.1 64bit, Varies, 327.23 WHQL

4. System Configuration: Core i7, 3960X (3.3GHz), MSI X79A-GD65, 16GB DDR3-1600 9-9-9-24, Windows 7 64bit, Cat 13.6 B1, 320.18 WHQL

5. System Configuration: Intel i7-4770K, Gigabyte GA-Z87X-D3H, 8 GB Mushkin 1600MHz, 2 TB Seagate SATA HD, 13.20.16, 331.65 WHQL

6. System Configuration: Intel i7-4770K, Gigabyte GA-Z87X-D3H, 8 GB Mushkin 1600MHz, 2 TB Seagate SATA HD 13.251: 322.21

7. AMD Eyefinity technology supports multiple monitors on an enabled graphics card. Supported display quantity, type and resolution vary by model and board design; confirm specifications with manufacturer before purchase. To enable more than two displays, or multiple displays from a single output, additional hardware such as DisplayPort™-ready monitors or DisplayPort 1.2 MST-enabled hubs may be required. A maximum of two active adapters is recommended for consumer systems. See www.amd.com/eyefinityfaq for full details. Gaming in 4K requires a 4K display and content. Supported resolution varies by GPU model and board design; confirm specifications with manufacturer before purchase.

8. AMD PowerTune and AMD ZeroCore Power are technologies offered by certain AMD Radeon™ products, which are designed to intelligently manage GPU power consumption in response to certain GPU load conditions. Not all products feature all technologies – check with your component or system manufacturer for specific model capabilities.

9. AMD CrossFire™ technology requires an AMD CrossFire Ready motherboard and may require a specialized power supply and AMD CrossFire Bridge Interconnect. Check with your component or system manufacturer for specific model capabilities.

10. AMD App Acceleration is a set of technologies designed to improve video quality and enhance application performance. Full enablement of some features requires support for OpenCL™, DirectCompute or DirectX® Video Acceleration (DXVA).

11. Application support for Mantle is required.

12. AMD TrueAudio technology is offered on select AMD Radeon™ R9 and R7 200 Series GPUs and is designed to improve acoustic realism. Requires an enabled game or application. Not all audio equipment supports all audio effects; additional audio equipment may be required for some audio effects. Not all products feature all technologies – check with your component or system manufacturer for specific capabilities.

Not all products have all features and full enablement of some capabilities and may require complementary products.

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