Radeon™ HD 6800 Series

KEY MESSAGES — Get Radeon™ in Your System

- Get immersed with AMD Eyefinity technology.
- Get amazing Eye-Definition graphics with DirectX® 11 technology.
- Get fast applications and incredible video with AMD EyeSpeed technology.

HOT FEATURES

Eye-Definition graphics

- Be ready for the hottest DirectX® 11-capable games with AMD's second generation graphics with full DirectX® 11 support.
- Lightning-fast frame rates and ultra-realistic effects enables an amazing HD gaming experience.
- Play your favorite games in full stereo 3D, and get incredibly rich and interactive gameplay with AMD HD3D technology.
- Outstanding tessellation performance to deliver the realistic image detail that you deserve.

AMD HD3D technology

- Play your favorite games in full stereo 3D, and get incredibly rich and interactive game play with AMD HD3D technology.
- Watch video / Blu-ray 3D playback on standard 3D televisions with HD3D technology.

AMD EyeSpeed Visual Acceleration

- Accelerate the most demanding applications with AMD Accelerated Parallel Processing (APP) technology.
- Maximize your online and Blu-ray video experiences with a new level of smooth visual quality with AMD EyeSpeed visual acceleration technology.
- UVD 3.0 accelerated decoding for Blu-ray 3D.
- Dolby True HD and 3D HDTV support to create that theatre-quality experience.

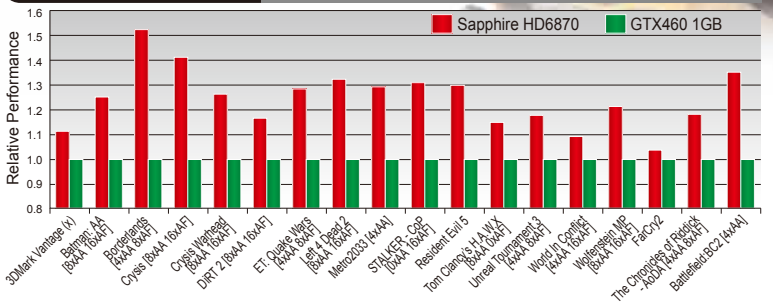
SAPPHIRE HD 6870

SAPPHIRE HD 6850

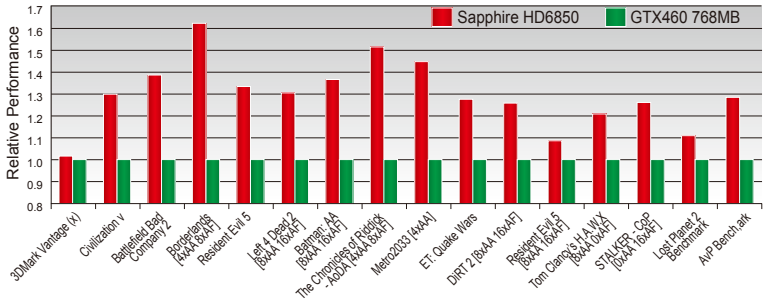
PRODUCT SPECIFICATIONS

	SAPPHIRE HD 6870	SAPPHIRE HD 6850
Process	40nm	40nm
Transistor Count	1.7 Billion	1.7 Billion
Engine Clock	900MHz	775MHz
Stream Processing Units	1120	960
Compute Performance	2.0 TFLOPS	1.5 TFLOPS
Texture Units	56	48
Texel Fillrate	50.4 GTexels/sec	37.2 GTexels/s
ROPs	32	32
Pixel Fillrate	28.8 GPixels/sec	24.8 GPixels/s
Memory Clock	1,050 MHz	1,000 MHz
Memory Data Rate	4.2 Gbps	4.0 Gbps
Memory Bandwidth	134.4GB/s	128 GB/s
Maximum Board Power	151 W	127 W
Idle Board Power	19 W	19 W

HD 6870 Performance



HD 6850 Performance



SAPPHIRE RADEON HD 6800 PRODUCT LINE UP

Model	Bus Interface	Memory	Engine Clock	Memory Clock	Display Support	SAPPHIRE BUNDLE OPTIONS (Full Retail)				
						Crossfire Interconnect Cable	DVI to VGA Adaptor	Mini DP to DP Adapter	HDMI 1.4a cable	Utility Software/ Games
HD6870	PCI-E x16 (PCI-E 2.1)	1GB GDDR5	900	4200	2x Mini DP / HDMI / 2x DVI	✓	✓	✓	✓	TRIXX
HD6850	PCI-E x16 (PCI-E 2.1)	1GB GDDR5	775	4000	DP / HDMI / 2x DVI	✓	✓	—	✓	TRIXX

Product options may vary by region. Please check your local stores / distributors for details. Specifications subject to change without notice.

EXCELLENCE — Over 2500 World Wide Awards since 2002

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