



SAPPHIRE HD 6450 1GB DDR3

Packed with the latest GPU technologies, the Radeon™ HD 6450 graphics processor is a next-generation visual upgrade that delivers Eyefinity multi-display technology, HDMI 1.4a for stereoscopic (3D) displays, Displayport 1.2 as well as 2nd generation support for DirectX 11 for the most versatile solution for everyday computing.

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[Overview](#) [System Requirements](#)

Specification	
Output	0 x D-Sub(VGA) 1 x Dual-Link DVI 1 x HDMI 1.4a
GPU	625 MHz Core Clock 40 nm Chip 160 x Stream Processors
Memory	1024 MB Size 64 -bit DDR3 1334 MHz Effective
Dimension	146(L)x22(W)x94(H) mm Size.
Software	Driver CD

All specifications and accessories are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.



40nm Process Technology

Cutting edge manufacturing process allows for efficient, high performance parts which use less power than their predecessors.

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PCI-Express 2.0

The latest PCI-Express 2.0 specification doubles data throughput from 2.5Gbps to 5Gbps allowing you to exploit the full performance potential of your graphics card.

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AMD HD3D Technology

Enjoy the most immersive experience possible with full support for High Definition Stereoscopic 3D, a technique that presents 2D images (movies, games, photos) in a format that creates the illusion of three-dimensional depth when using compatible 3D displays / glasses / software.

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D-Sub(VGA)

The 15-pin VGA connector is common to most monitors and high definition television. You can connect your LCD or CRT monitor / TV with D-sub VGA connector.

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Dual-Link DVI

Equipped with the most popular Dual Link DVI (Digital Visual Interface), this card is able to display ultra high resolutions of up to 2560 x 1600 at 60Hz.

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HDMI 1.4a

HDMI 1.4a builds on previous generations of HDMI connectivity with support for Deep Color, 7.1 High Bitrate Audio, and 3D Stereoscopic support, ensuring the highest quality Blu-ray and video experience possible from your PC.

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Microsoft DirectX® 11

Get intense gaming performance and unrivalled image quality with stunning 3D visual effects, realistic lighting and lifelike imagery with SAPPHIRE graphics cards supporting DirectX®11. New features in DirectX®11 such as Hardware Tessellation, HDR Texture Compression, Multi-threading support and DirectCompute bring lifelike gaming and an experience never possible on a PC before.

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OpenGL® 4.1

Supports the latest OpenGL API (Application Programming Interface) to accelerate performance of applications outside of DirectX®, i.e. Adobe Autodesk 2D/3D graphic design.

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Shader Model 5.0

Supports the latest Shader Model 5.0 feature set including VTF (Vertex Texture Fetch) which is a key feature used extensively in many of the games that ship today. Without support for this feature the game will fall back to a lesser shader path resulting in the loss of cool, lifelike effects made possible by Shader Model 5.0

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AMD Catalyst Control Center™

The AMD Catalyst Control Center™ software application gives you complete control over the performance and visual quality of your SAPPHIRE AMD Radeon™ based graphics card allowing for the best experience on your PC.

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Dolby® TrueHD and DTS HD Master Audio™ Support

Support for copy protected, high bandwidth, 7.1 channel surround sound over HDMI. Get a fully immersive, high definition audio experience with the latest Blu-ray movies. (Requires a DVI to HDMI dongle on some models, an HD capable monitor and a Blu-ray drive)

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TeraScale Graphics Engine

The TeraScale graphics engine in the AMD Radeon™ features over one teraFLOPS, nearly one billion transistors and numerous stream processors so you can enjoy the high resolutions and fast frame rates previously only available with dual-card systems.

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AMD Advanced Parallel Processing technology

Accelerate the most demanding applications by offloading parallel data compute tasks from the CPU to GPU, dividing the tasks as evenly as possible for improved system performance and reliability.

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Enhanced Unified Video Decoder 3 (UVD 3)

Watch the hottest Blu-ray movies or other HD content at full 1080p (and beyond !) display



resolution. Enjoy a feature rich video experience with enhanced Unified Video Decoder 3 (UVD 3), offloading the bulk of the video decoding tasks from the CPU to the GPU allowing for a cooler, quieter and more balanced system.

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Enhanced Internet Browser Applications

Not just for video and games, the power of your GPU can now accelerate the latest versions of some Internet browsers (IE9/Mozilla FireFox) utilising Direct 2D rendering for a faster and more responsive browsing experience including high quality image rendering and media playback.

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Microsoft Office 2010

Take advantage of improved picture and media editing capabilities in Office 2010 as well as edit and share your content in real time.

See more, and get more done. Enhanced productivity with accelerated GPU processing for Office applications.

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Windows® 7 support

WHQL (Windows Hardware Quality Labs) Certified drivers and logos are available for all SAPHIRE HD2000, HD3000, HD4000 and HD5000 series cards ensuring compatibility and reliability with Microsoft Windows 7.

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AMD App Acceleration

Use the power of your AMD Radeon™ GPU to speed up everyday applications like your web browser and Microsoft Office 2010 using AMD App Acceleration. Do more, and do it faster. Watch Blu-ray movies, online streaming video and other HD content using your AMD Radeon™ GPU and get smooth – high quality playback with amazing image quality.

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