

VisionTek®

VisionTek Radeon 5450 2GB DDR3 (DVI-I, HDMI, VGA)

VisionTek Part# 900861

The VisionTek Radeon™ HD 5450 2GB PCIe 2.1 x16 Graphics Card offers the most features and functionality in its class with complete DirectX 11 support and the world's most advanced graphics, display features and technologies. Designed to deliver a feature laden gaming/computing experience, Radeon™ HD 5450 enables a seamless HD gaming experience with amazing image quality. At the "heart" of the entertainment experience on the PC, things like video playback, editing and transferring content to portable media players are now fast and easy. Supports Windows 7 and future DirectX®11 games giving users incredible system performance in an energy efficient card that is easy to install with no external power supply needed.

Microsoft DirectX® 11 Support

The VisionTek Radeon HD 5450 Series GPUs fully support Microsoft DirectX® 11, enabling the following:

- Tessellation is now available to PC developers for real-time rendering with ultra-realistic characters and an incredible level of detail with 3D images.
- HDR Texture compression delivers an intense level visual detail without increasing graphics memory footprint with efficiency and incredible image quality.
- Multi-threading support for DirectX® 11 accelerates rendering by leveraging all the CPU cores to enable overall faster gaming performance.
- DirectCompute improves PC performance by taking on some or all of a DirectX 11-enabled application's processing load, freeing up the computer's main processor to take on additional tasks.



Dolby® TrueHD and DTSHD Master Audio™ Support

Support of content protected, high bandwidth, 7.1 channels of surround sound over HDMI.

Avivo™ Technology Enhanced Unified Video Decoder 2 (UVD 2)

Watch the hottest Blu-ray movies or other HD content at full 1080p display resolution and beyond and enjoy a more feature rich experience with enhanced Unified Video Decoder 2 (UVD 2). Enhanced UVD 2 now supports a hardware acceleration decode of dual 1080p HD video streams. Brighter Whites processing increases the blue value of white colors for brighter and more vivid video playback, and independent Video Gamma Control allows you to set video gamma independently from Windows desktop for a better viewing experience. Dynamic Video Range Control enables user to control levels of black and white during playback.

Specifications

Memory: 2GB DDR3

Multi-monitor support: HDMI, DVI, VGA*

PCIe 2.0: Supported

Processing power (single precision): 104 GigaFLOPS

Polygon throughput: 650M polygons/sec

Data fetch rate (32-bit): up to 20.8 billion fetches/sec

Texel fill rate (bilinear filtered): up to 5.2 Gigatexels/sec

Pixel fill rate: up to 2.6 Gigapixels/sec

Anti-aliased pixel fill rate: up to 10.4 Gigasamples/sec

Max board power: 19.4 watts

System Requirements

- PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard
- 250 Watt or greater power supply recommended**
- Minimum 1GB of system memory
- Installation software requires CD-ROM drive
- DVD playback requires DVD drive
- Blu-ray™ playback requires Blu-ray drive

*HDMI video and audio may require adapter, Dual DVI and Dual VGA configurations require an adapter that is sold separately.

**Certified power supplies are recommended. Refer to <http://ati.amd.com/certifiedPSU> for a list of certified products.