VisionTek 901491

VisionTek AMD Radeon 6570 Graphic Card User Manual

Model: 901491

1. INTRODUCTION

The VisionTek Radeon HD 6570 Graphic Card is designed to enhance your computing experience by providing robust graphics performance for various applications, from video conferencing to multi-screen productivity and personal media centers. This manual provides essential information for the proper installation, operation, and maintenance of your graphic card.

This graphic card features a bus-powered design, offering ample computing power for daily tasks. It includes popular output options such as DVI-I, HDMI, and VGA, allowing connection to most displays without the need for expensive adapter cables.

2. PRODUCT FEATURES

- **AMD Eyefinity Technology:** Supports multiple independent display outputs simultaneously, enabling massive desktop workspaces and immersive visual environments.
- **Microsoft DirectX 11:** Provides high-speed, high-fidelity graphics with advanced technologies like Compute Shaders, Direct2D, Multithreaded Rendering, and Tessellation for visually stunning games and improved application performance.
- **AMD App Acceleration:** Utilizes hardware and software technologies to enhance speed and performance for graphics and video processing, ensuring clear video playback, stutter-free HD quality, and smooth multi-application use.
- **AMD PowerPlay:** Dynamically manages power efficiency, delivering high performance when needed and conserving power during low demand, optimizing the balance between performance and energy efficiency.
- **Open GL Support:** Compatibility with OpenGL applications for professional graphics and gaming.
- **Open CL Support:** Enables general-purpose computing on graphics processing units (GPGPU) for accelerated application performance.

3. SETUP AND INSTALLATION

Before installing your VisionTek Radeon HD 6570 Graphic Card, ensure your computer is powered off and unplugged from the wall outlet. It is recommended to wear an anti-static wrist strap to prevent damage from static electricity.

3.1 Package Contents

Your package should contain the following items:

- VisionTek AMD Radeon 6570 Graphic Card
- Installation Guide

3.2 Hardware Installation

1. **Prepare Your System:** Power down your computer, unplug the power cord, and open the computer case.
2. **Locate an Available PCI Express Slot:** Identify an empty PCI Express x16 slot on your motherboard.
3. **Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the chosen PCI Express slot.
4. **Insert the Graphic Card:** Carefully align the graphic card with the PCI Express slot and press down firmly until it is securely seated. Ensure the retention clip (if present) locks the card in place.
5. **Secure the Card:** Use a screw to secure the graphic card's bracket to the computer case.
6. **Close Case and Reconnect:** Close your computer case, reconnect all cables, and plug in the power cord.

Figure 3.2.1: Front view of the VisionTek Radeon 6570 Graphic Card, showing the fan, heatsink, and output ports (VGA, HDMI, DVI).
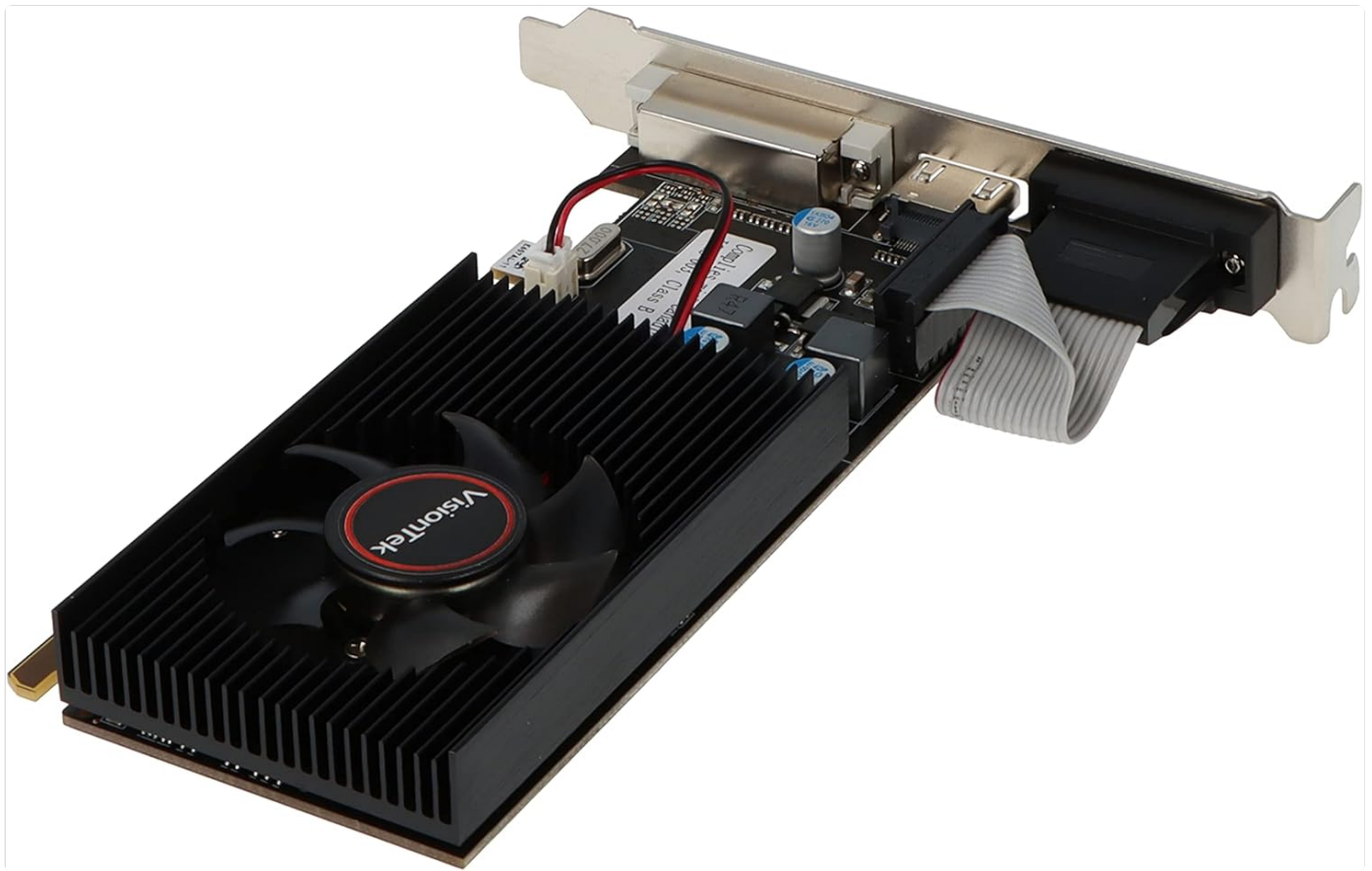
Figure 3.2.2: Angled view of the graphic card, highlighting the PCI Express connector for motherboard insertion and the cooling fan.

3.3 Driver Installation

After hardware installation, you will need to install the appropriate drivers for your operating system to ensure optimal performance and access to all features.

1. **Power On:** Turn on your computer. Your operating system may automatically detect the new hardware and attempt to install generic drivers.

2. **Download Drivers:** Visit the official VisionTek or AMD website to download the latest drivers for the Radeon HD 6570 graphic card compatible with your operating system.

3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions. You may need to restart your computer after installation.

4. OPERATING THE GRAPHIC CARD

Once the graphic card and drivers are installed, you can connect your display(s) and configure your display settings.

4.1 Connecting Displays

The VisionTek Radeon HD 6570 offers VGA, DVI-I, and HDMI output ports. Connect your monitor(s) to the appropriate port(s) on the graphic card.

- **VGA:** For older analog monitors.
- **DVI-I:** Supports both digital and analog signals.
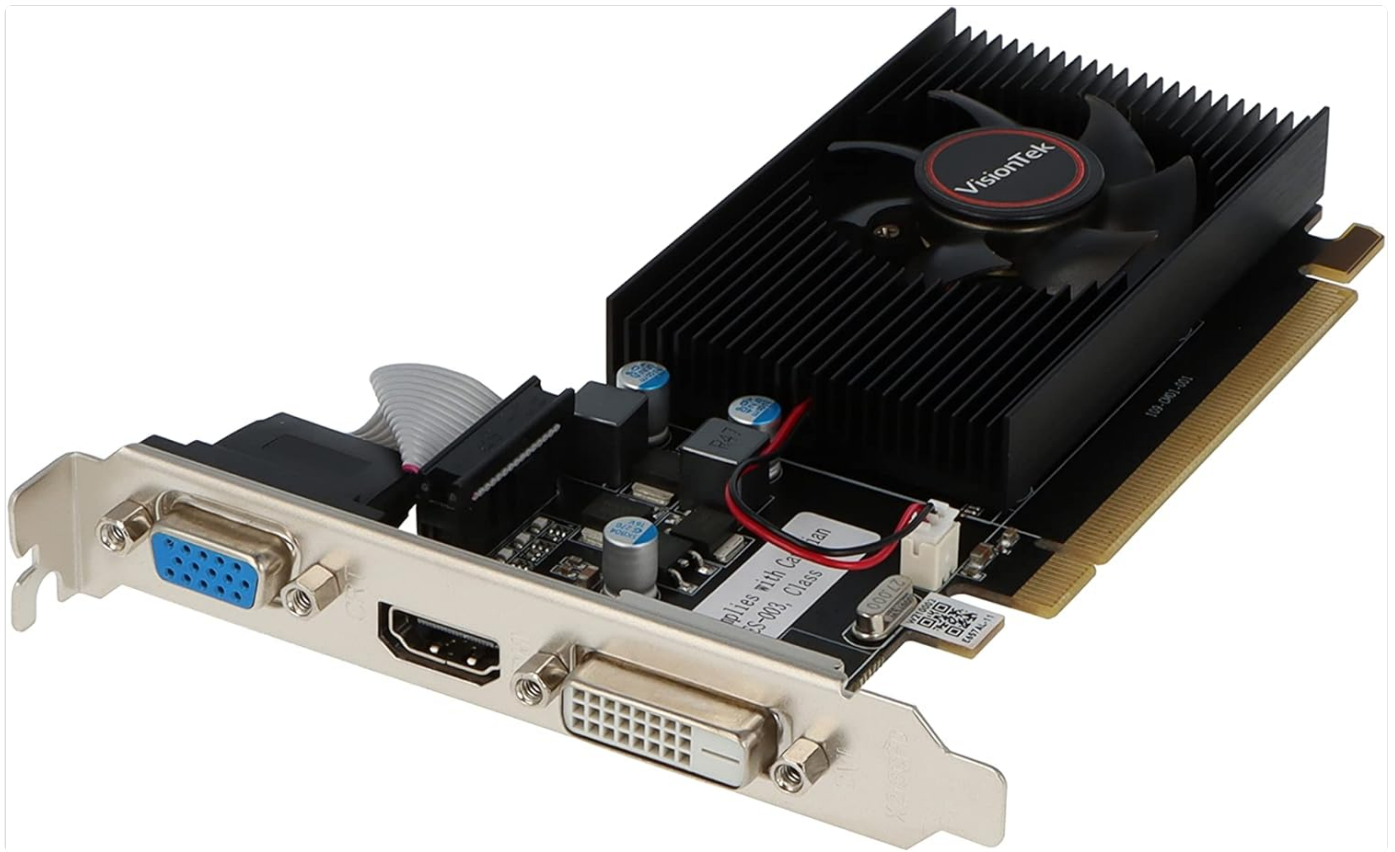- **HDMI:** For digital displays, supporting both video and audio.

Figure 4.1.1: Detailed view of the graphic card's output ports, including VGA (blue), HDMI, and DVI.

4.2 Configuring Display Settings

After connecting your display(s), you can configure settings such as resolution, refresh rate, and multiple display setups through your operating system's display settings or the AMD Radeon Software.

- **Single Display:** Set your preferred resolution and refresh rate. The maximum supported resolution is 1920 x 1080.
- **Multiple Displays (AMD Eyefinity):** Utilize AMD Eyefinity technology to extend your desktop across multiple monitors for an immersive experience or increased productivity. Refer to the AMD Radeon Software documentation for detailed setup instructions.

5. MAINTENANCE

Proper maintenance can extend the lifespan and ensure consistent performance of your graphic card.

- **Keep Drivers Updated:** Regularly check the VisionTek or AMD website for the latest driver updates. Updated drivers often include performance improvements, bug fixes, and new features.
- **Dust Removal:** Periodically clean dust from the graphic card's fan and heatsink using compressed air. Ensure your computer is powered off and unplugged before cleaning. Dust buildup can impede cooling and lead to overheating.
- **Ensure Proper Airflow:** Make sure your computer case has adequate airflow to prevent heat buildup. Avoid obstructing ventilation openings.

6. TROUBLESHOOTING

If you encounter issues with your VisionTek Radeon HD 6570 Graphic Card, refer to the following common troubleshooting steps:

- **No Display Output:**

  - Ensure the monitor cable is securely connected to both the graphic card and the monitor.

- Verify the graphic card is fully seated in its PCI Express slot.
- Check if your monitor is set to the correct input source (VGA, HDMI, DVI).
- Try connecting the monitor to a different output port on the card, or to your motherboard's integrated graphics (if available) to rule out monitor issues.

- **Driver Issues / Performance Problems:**

  - Ensure you have installed the correct and latest drivers from the official VisionTek or AMD website.
  - Uninstall any previous graphic card drivers before installing new ones.
  - Check for conflicts with other installed software or drivers.

- **Overheating:**

  - Clean dust from the fan and heatsink.
  - Ensure proper airflow within your computer case.
  - Monitor temperatures using third-party software.

If problems persist, consult the VisionTek support website or contact their customer service for further assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	VisionTek
Model Number	901491
Graphics Coprocessor	Radeon HD 6000 6570
Graphics Card RAM Size	1 GB GDDR3
Memory Speed	480 MHz
Max Screen Resolution	1920 x 1080
Video Output Interface	PCI Express 2.0 x16
Product Dimensions (LxWxH)	5.9 x 2.4 x 0.6 inches
Item Weight	11.6 ounces
Manufacturer	VisionTek Products, LLC

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty documentation included with your product or visit the official VisionTek website. VisionTek Products, LLC is the manufacturer of this graphic card.

Additional support and resources, including driver downloads and FAQs, can typically be found on the VisionTek support page. For direct assistance, please contact VisionTek customer service.

Optional protection plans are available for purchase separately, offering extended coverage beyond the standard manufacturer's warranty. Details on these plans can be found where the product was purchased.
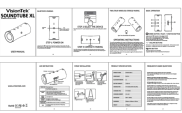
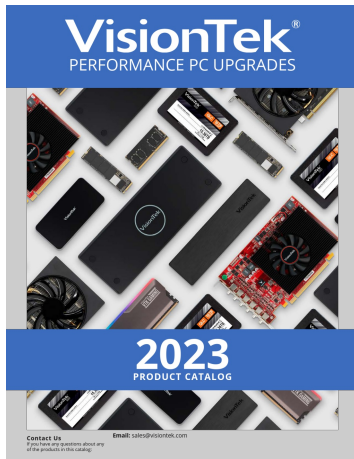**Manufacturer:** VisionTek Products, LLC

ASIN: B09DJ7SLBK

Date First Available: December 18, 2020

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	[VisionTek VT4500 Dual Display 4K Docking Station with Power Delivery](#) The VisionTek VT4500 Dual Display 4K Docking Station with Power Delivery allows you to easily connect your Windows, Mac, or Chrome laptop to dual 4K displays and up to 8 accessories via a single USB connection. It supports up to 60W of Power Delivery via USB-C and features multiple USB-A and USB-C ports, DisplayPort, HDMI, and Gigabit Ethernet.
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