VisionTek VTX1300DMSPCIE

VisionTek ATI Radeon X1300 256MB DDR2 PCI Express Low Profile Video Card User Manual

Model: VTX1300DMSPCIE

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your VisionTek ATI Radeon X1300 256MB DDR2 PCI Express Low Profile Video Card. Please read this manual thoroughly before installing or using the product to ensure proper functionality and to prevent damage.

2. PRODUCT OVERVIEW

The VisionTek ATI Radeon X1300 is a low-profile PCI Express video card designed to enhance your computer's graphics capabilities. It features 256MB of DDR2 memory and a DMS-59 connector for dual display output. This card is suitable for systems requiring a compact graphics solution.

Figure 1: VisionTek ATI Radeon X1300 Low Profile Video Card. This image shows the compact design of the video card, highlighting its fan, heatsink, and DMS-59 connector. A ruler is visible at the bottom for scale.

3. SETUP AND INSTALLATION

3.1 Before You Begin

- **Compatibility:** Ensure your computer has an available PCI Express x16 slot and a power supply capable of supporting the video card.
- **Safety First:** Always unplug your computer from the power outlet before opening the case.
- **Static Electricity:** Ground yourself by touching a metal part of your computer chassis before handling components to prevent electrostatic discharge (ESD) damage.
- **Tools:** You may need a Phillips head screwdriver.

3.2 Hardware Installation

1. **Open Computer Case:** Remove the side panel of your computer case.
2. **Locate PCI Express Slot:** Identify an available PCI Express x16 slot on your motherboard.
3. **Remove Slot Cover:** Remove the metal slot cover corresponding to the chosen PCI Express slot from the back of your computer case.
4. **Insert Video Card:** Carefully align the video card with the PCI Express slot and press down firmly until it is securely seated. Ensure the retention clip (if present) locks into place.
5. **Secure Card:** Use a screw to secure the video card's bracket to the computer case.
6. **Close Case:** Replace the computer's side panel and reconnect all cables.

3.3 Driver Installation

1. **Power On:** Connect your monitor to the DMS-59 port on the video card using the appropriate adapter (if required) and power on your computer.
2. **Operating System Boot:** Your operating system may automatically detect the new hardware and install generic drivers.
3. **Install Latest Drivers:** For optimal performance, download the latest drivers for the ATI Radeon X1300 from the official VisionTek website or AMD's legacy driver support page. Follow the on-screen instructions to complete the driver installation.
4. **Restart:** Restart your computer after driver installation is complete.

4. OPERATING YOUR VIDEO CARD

4.1 Display Configuration

After driver installation, you can configure your display settings through your operating system's display control panel or the ATI Catalyst Control Center (if installed with the drivers).

- **Resolution:** Adjust the screen resolution to match your monitor's native resolution for the best visual quality.
- **Multiple Displays:** The DMS-59 connector supports dual displays. Use the provided DMS-59 splitter cable (if included) to connect two monitors. Configure display modes (extended desktop, duplicate, etc.) in your display settings.
- **Refresh Rate:** Set the refresh rate to the highest stable value supported by your monitor.

5. MAINTENANCE

Proper maintenance can extend the lifespan of your video card and ensure optimal performance.

- **Dust Removal:** Periodically clean dust from the video card's heatsink and fan using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Driver Updates:** Keep your graphics drivers updated. Check the VisionTek or AMD website regularly for new driver releases.

- **Ventilation:** Ensure your computer case has adequate airflow to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your VisionTek ATI Radeon X1300 video card, refer to the following common problems and solutions.

- **No Display Output:**

  - Ensure the video card is fully seated in the PCI Express slot.
  - Verify the monitor cable is securely connected to both the video card and the monitor.
  - Check if the monitor is powered on and set to the correct input source.
  - Try connecting the monitor to the motherboard's integrated graphics (if available) to rule out other system issues.

- **Driver Installation Issues:**

  - Uninstall any previous graphics drivers before installing new ones.
  - Download drivers directly from the official VisionTek or AMD website.
  - Ensure your operating system is up to date.

- **Poor Performance or Artifacts:**

  - Ensure drivers are correctly installed and up to date.
  - Check for overheating. Clean dust from the fan and heatsink.
  - Verify your power supply is sufficient for all system components.

- **System Instability/Crashes:**

  - Update your motherboard's BIOS to the latest version.
  - Run memory diagnostic tools to check for RAM issues.
  - Ensure the video card is receiving adequate power.

7. SPECIFICATIONS

Feature	Detail
Graphics Coprocessor	ATI Radeon X1300
Graphics Memory Size	256 MB
Graphics Memory Type	DDR2 SDRAM
Interface	PCI Express
Form Factor	Low Profile
Output Connector	DMS-59
Product Dimensions	10.7 x 8.3 x 2.8 inches
Item Weight	1 pounds
Model Number	VTX1300DMSPCIE

Feature	Detail
Manufacturer	VISIONTEK MASS STORAGE
Date First Available	March 1, 2011

8. SUPPORT AND WARRANTY

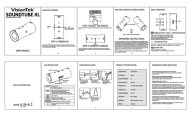For technical support, driver downloads, or warranty information, please visit the official VisionTek website or contact their customer service.

You can find more information and support resources by visiting the VisionTek Store on Amazon.

Note: Warranty terms and conditions may vary. Please refer to the documentation included with your product or the manufacturer's website for specific warranty details.

Related Documents - VTX1300DMSPCIE

	Visiontek VS315 Smart Projector User Manual Comprehensive user manual for the Visiontek VS315 Smart Projector, covering setup, features, specifications, settings, troubleshooting, and FCC compliance.
	VisionTek VTWC40 Premium Autofocus Full HD 1080p Webcam - Features & Setup Guide Explore the VisionTek VTWC40, a premium Full HD 1080p autofocus webcam designed for clear online communication. This document details its key features, technical specifications, system requirements, setup instructions for popular platforms like Zoom and Microsoft Teams, and answers frequently asked questions. Ideal for professional use, education, and streaming.
	VisionTek Soundtube XL User Manual: Bluetooth Speaker Operation and Specifications Comprehensive user manual for the VisionTek Soundtube XL waterproof Bluetooth speaker, covering setup, pairing, operation, TWS functionality, specifications, and troubleshooting.
	VisionTek VT2900 Dual System Dock User Manual User manual for the VisionTek VT2900 Dual System Dock, detailing features, setup, system requirements, port descriptions, KVM switching, supported resolutions, display setup for Windows and macOS, and warranty information.
	VisionTek VT80/VT90 USB 3.0 4K Display Adapter Quick Start Guide A concise guide for setting up and using the VisionTek VT80 and VT90 USB 3.0 4K Display Adapters, including driver installation and display mode configurations for Windows and macOS.

[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.