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AMD FirePro V3800

AMD ATI FirePro V3800 Graphics Card User Manual

Model: FirePro V3800 (HP Part No. 608886-001)

1. Introduction

Welcome to the user manual for the AMD ATI FirePro V3800 workstation graphics card. This document provides essential information for the proper installation, operation, maintenance, and troubleshooting of your graphics card. The FirePro V3800 is designed for professional workstation environments, offering reliable performance for various graphics-intensive applications.

2. Safety Information

Always observe the following safety precautions when handling and installing computer hardware:

- Disconnect the computer from the power source before installation.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD).
- Handle the graphics card by its edges, avoiding contact with the gold connector pins or components.
- Ensure adequate ventilation within the computer case.
- Do not attempt to modify the graphics card.

3. Package Contents

Verify that your package contains the following items:

- ATI FirePro V3800 Graphics Card
- (Optional) Low-profile bracket
- (Optional) Driver CD/DVD
- (Optional) Documentation

4. System Requirements

- Available PCI Express x16 slot
- Compatible operating system (e.g., Windows 7/8/10, Linux)
- Minimum 300W power supply (consult your system manufacturer for specific requirements)
- 1GB system memory (2GB recommended)
- CD-ROM drive or internet connection for driver installation

5. Setup and Installation

5.1 Hardware Installation

1. Power down your computer and disconnect the power cord.
2. Open the computer case. Refer to your computer's manual for instructions.
3. Locate an available PCI Express x16 slot on your motherboard.
4. Remove the metal slot cover from the back of the computer case corresponding to the chosen PCI Express slot.
5. Carefully align the graphics card with the PCI Express slot. Apply even pressure to firmly seat the card into the slot until it clicks into place.
6. Secure the graphics card to the computer case with a screw or retention clip.
7. Close the computer case and reconnect the power cord.

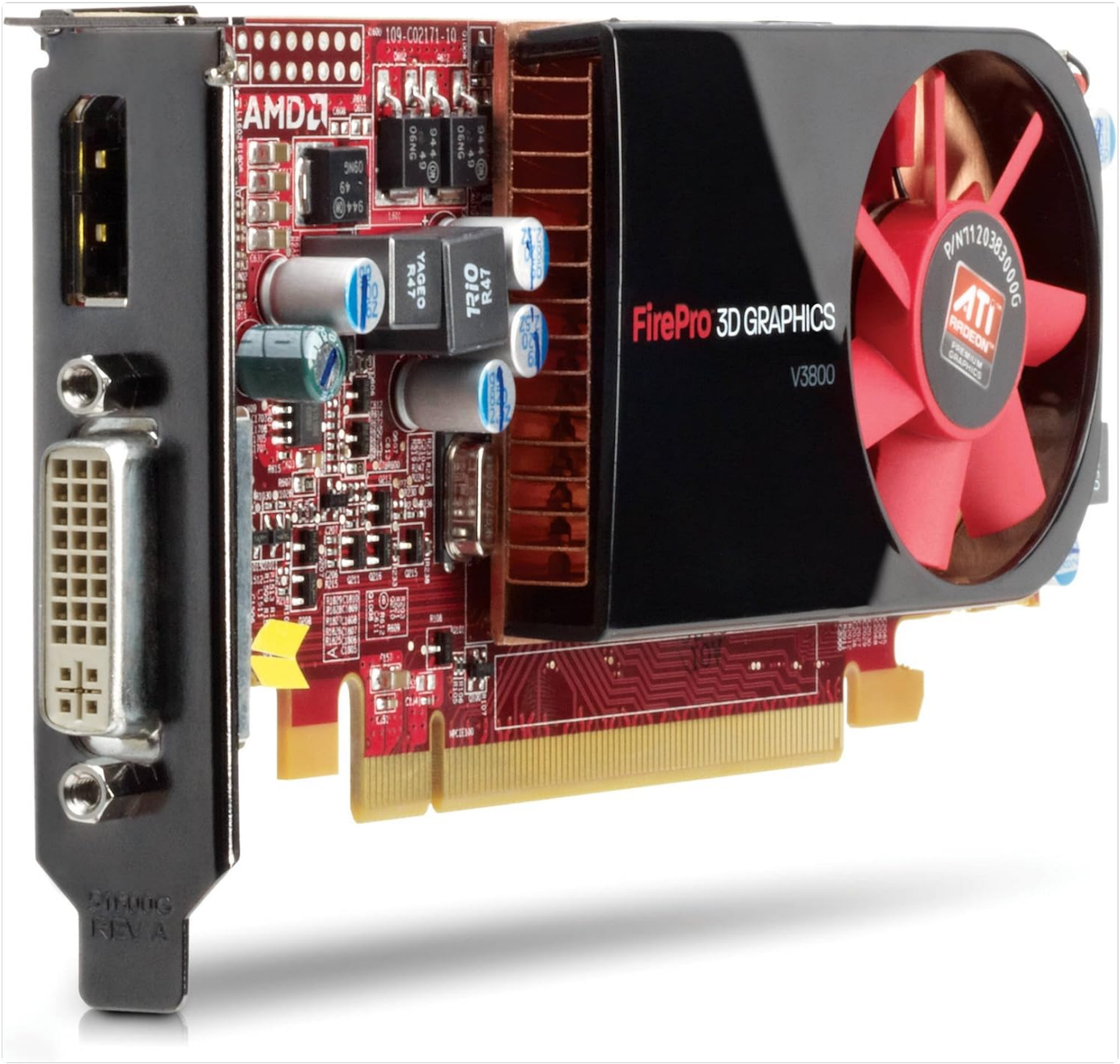


Figure 1: The ATI FirePro V3800 graphics card, showing its DVI and DisplayPort outputs, PCI-Express connector, and cooling fan.

5.2 Driver Installation

1. Power on your computer.
2. If Windows automatically detects the new hardware, it may install a generic driver. For optimal performance, install the

official AMD drivers.

3. Insert the driver CD/DVD (if included) or download the latest drivers from the official AMD website (www.amd.com/support).
4. Follow the on-screen instructions to complete the driver installation. A system restart may be required.

6. Operating the Graphics Card

Once the drivers are successfully installed, your ATI FirePro V3800 graphics card will function as the primary display adapter for your system.

6.1 Display Connections

The FirePro V3800 features DVI and DisplayPort outputs. Connect your monitor(s) using compatible cables.

- **DVI (Digital Visual Interface):** Connects to monitors with DVI input.
- **DisplayPort:** A versatile digital display interface. Adapters may be required for HDMI or VGA connections.



Figure 2: Angled view of the ATI FirePro V3800, highlighting its compact, low-profile design suitable for smaller workstation cases.

6.2 AMD Catalyst Control Center (or similar driver utility)

The AMD driver suite typically includes a control panel application (e.g., AMD Catalyst Control Center). This utility allows you to:

- Adjust display resolutions and refresh rates.
- Configure multi-monitor setups (Eyefinity).
- Manage 3D application settings.
- Monitor graphics card status.

7. Maintenance

- **Driver Updates:** Regularly check the AMD website for the latest driver updates to ensure optimal performance and compatibility.
- **Cleaning:** Periodically clean dust from the graphics card's fan and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Ventilation:** Ensure your computer case has proper airflow to prevent overheating.

8. Troubleshooting

8.1 No Display Output

- Verify that the monitor is powered on and correctly connected to the graphics card.
- Ensure the graphics card is fully seated in the PCI Express slot.
- Check if the monitor input source is correctly selected.
- Try connecting the monitor to a different output port on the card or to the motherboard's integrated graphics (if

available) to rule out monitor issues.

8.2 Driver Issues

- If you experience display artifacts or system instability, try reinstalling the graphics drivers. Use the AMD driver uninstaller utility to remove old drivers before installing new ones.
- Ensure you have downloaded the correct drivers for your operating system and graphics card model.

8.3 Performance Problems

- Ensure your system meets the minimum requirements for the applications you are running.
- Check for background processes consuming system resources.
- Monitor the graphics card temperature to ensure it is not overheating.

9. Specifications

Feature	Specification
Graphics Processor	AMD GPU
Video Memory	512 MB GDDR3
Video Output Interface	DVI, DisplayPort
Interface	PCI Express x16
Product Dimensions	8.7 x 6.3 x 2.4 inches
Item Weight	14.4 ounces
Manufacturer	AMD

10. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official AMD support website: www.amd.com/support.

Keep your purchase receipt as proof of purchase for warranty claims.

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