

HEWLETT PACKARD GR521AA

HP NVIDIA Quadro FX570 256MB PCIe Graphics Card User Manual

Model: GR521AA

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your HP NVIDIA Quadro FX570 256MB PCIe Graphics Card. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage to the product or your system.



Image 1.1: The HP NVIDIA Quadro FX570 256MB PCIe Graphics Card. This image displays the green circuit board, the NVIDIA Quadro branded heatsink and fan assembly, and the dual DVI output ports.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to your equipment:

- Always disconnect power from your computer before installing or removing any components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity before handling the graphics card.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Ensure proper ventilation within your computer case to prevent overheating.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- HP NVIDIA Quadro FX570 256MB PCIe Graphics Card
- Driver CD (if included, otherwise download from manufacturer's website)
- Documentation (this manual or quick start guide)
- DVI to DisplayPort adapters (if included, as mentioned in a review)

4. INSTALLATION GUIDE

4.1. System Requirements

- Available PCI Express x16 slot
- Compatible operating system (e.g., Windows XP, Vista, 7, Linux)
- Sufficient power supply unit (PSU)
- Monitor with DVI input or compatible adapter

4.2. Hardware Installation

1. **Prepare Your System:** Power off your computer and disconnect the power cord. Open the computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. Remove the corresponding expansion slot cover from the computer case.
3. **Install the Graphics Card:** Carefully align the graphics card with the PCIe slot. Apply even pressure to both ends of the card until it is fully seated in the slot. Ensure the retention clip (if present) locks the card into place.
4. **Secure the Card:** Secure the graphics card to the computer case with a screw or retention mechanism.
5. **Close Case and Connect Cables:** Close the computer case. Connect your monitor cable(s) to the DVI output ports on the graphics card. If your monitor uses DisplayPort, use the provided DVI to DisplayPort adapters. Reconnect the power cord to your computer.

4.3. Driver Installation

1. **Power On:** Power on your computer. The operating system may detect new hardware and attempt to install generic drivers.
2. **Install Drivers:**
 - **From CD:** If a driver CD was included, insert it and follow the on-screen instructions.

- **From Website:** For the latest drivers, visit the official NVIDIA or HP support website. Navigate to the driver download section, select "Quadro" series, "FX570" model, and your operating system. Download and run the installer.

3. **Restart System:** Follow any prompts to restart your computer after driver installation is complete.

5. OPERATION

Once the graphics card is installed and drivers are configured, your system should display output through the card. The NVIDIA Control Panel software, installed with the drivers, allows you to customize display settings, resolution, refresh rates, and other graphics-related options.

- **Accessing NVIDIA Control Panel:** Right-click on your desktop and select "NVIDIA Control Panel" or find it in your operating system's control panel/settings.
- **Display Settings:** Adjust resolution, multiple display configurations, and color settings.
- **3D Settings:** Optimize performance or quality for professional applications.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your graphics card.

- **Dust Removal:** Periodically (e.g., every 6-12 months), power off and unplug your computer. Open the case and use compressed air to gently clear dust from the graphics card's heatsink and fan. Ensure the fan does not spin excessively fast during cleaning.
- **Driver Updates:** Check the official NVIDIA or HP website regularly for updated drivers. Newer drivers can provide performance improvements, bug fixes, and compatibility enhancements.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

- **No Display Output:**
 - Ensure the monitor cable is securely connected to both the graphics card and the monitor.
 - Verify the graphics card is fully seated in the PCIe slot.
 - Check if your monitor is set to the correct input source (DVI).
 - Test with a different monitor or cable if possible.
- **Driver Installation Issues:**
 - Uninstall any previous graphics drivers using your operating system's Add/Remove Programs feature or a driver cleaner utility.
 - Download the latest drivers directly from the NVIDIA or HP website.
 - Ensure your operating system is up to date.
- **System Instability or Crashes:**
 - Ensure your power supply unit (PSU) meets the minimum requirements for your system, including the graphics card.
 - Check for overheating. Monitor GPU temperatures using third-party software.
 - Verify that the graphics card fan is spinning freely and not obstructed by dust.

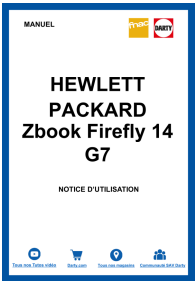
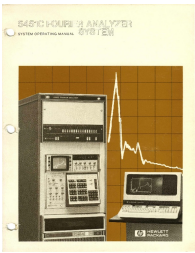
8. SPECIFICATIONS




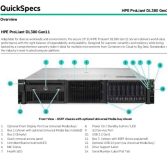
Feature	Detail
Brand	HEWLETT PACKARD
Model Number	GR521AA
Graphics Processor	NVIDIA Quadro FX570
Graphics RAM Size	256 MB
Video Output Interface	DVI (Dual DVI)
Interface	PCI Express x16
Product Dimensions	12.1 x 8.7 x 5.2 inches
Item Weight	1.1 pounds
ASIN	B000XR87X2
Date First Available	October 26, 2007

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your original purchase or visit the official HP or NVIDIA support websites. Warranty terms and conditions may vary based on region and retailer.

Related Documents - GR521AA

	<p>Manuel d'utilisation HP Zbook Firefly 14 G7</p> <p>Ce manuel d'utilisation fournit des instructions détaillées pour le Hewlett Packard Zbook Firefly 14 G7, couvrant la configuration, la navigation, les fonctionnalités, la maintenance et la sécurité.</p>
	<p>Hewlett Packard 5451C Fourier Analyzer System Operating Manual</p> <p>Comprehensive operating manual for the Hewlett Packard 5451C Fourier Analyzer System, detailing system operation, key descriptions, measurement functions, programming, and specifications for advanced signal analysis.</p>

 <p>Computer History Museum</p> <p>Oral History of Bill Holland</p> <p>Interview conducted by: [Name] Interviewed: February 27, 2017 Interviewer: [Name]</p> <p>CHM Reference Number: 10017.0017 © 2017 Computer History Museum</p>	<p>Oral History of Bill Holland: A Journey Through Computing and Innovation</p> <p>Explore the career of Bill Holland, a pivotal figure in computing history, through this oral history interview. Discover his contributions to Hewlett-Packard (HP), including the development of the optical mouse, advanced scanners, laser printers, and his role in motion control technology.</p>
 <p>VMware Virtual Dedicated Graphics Acceleration (vDGA) Guide</p> <p>Release Date: [Date] Version: [Version] ESX/ESXi: [List] Horizon: [List]</p>	<p>VMware Virtual Dedicated Graphics Acceleration (vDGA) Guide</p> <p>A comprehensive compatibility guide from VMware detailing server and GPU hardware configurations compatible with VMware Virtual Dedicated Graphics Acceleration (vDGA) across various ESXi and Horizon versions.</p>
 <p>Running Calculations on GPUs with Gaussian 16</p> <p>As a result of rapid, ongoing advances in GPU technology, NVIDIA and AMD-based hardware accelerators are becoming increasingly popular for accelerating molecular simulations. Gaussian 16 provides a comprehensive suite of tools and utilities to help users optimize their workflows and take full advantage of the power of these accelerators.</p> <p>Details for Example Calculations</p> <p>The following table provides a summary of the performance gains achieved by running Gaussian 16 calculations on a GPU-accelerated system compared to a standard CPU-based system. The results are based on a series of benchmark calculations performed using a variety of different molecular systems and basis sets.</p>	<p>Running Calculations on GPUs with Gaussian 16</p> <p>Explore how Gaussian 16 leverages NVIDIA GPUs for accelerated computational chemistry, detailing performance gains and implementation strategies.</p>
 <p>QuickSpecs</p> <p>HPE ProLiant DL380 Gen11</p> <p>Key Features:</p> <ul style="list-style-type: none"> 2U rack server Intel Xeon Scalable processors Up to 16 TB of DDR4 memory Up to 12 NVMe drives Advanced security features 	<p>HPE ProLiant DL380 Gen11 Server QuickSpecs</p> <p>Detailed specifications, features, and configuration options for the HPE ProLiant DL380 Gen11 server, a versatile 2U rack server designed for diverse workloads, offering world-class performance, expandability, and scalability with Intel Xeon Scalable processors and advanced management capabilities.</p>

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NVIDIA Quadro FX 570 Graphics Board QuickSpec HP Product Bulletin © 2007 Hewlett Packard

Models NVIDIA Quadro FX 570 PCI-Express graphics board kit **GR521AA**

Introduction NVIDIA Quadro FX 570 features entry-level 3D performance with 256 MB of fast video memory, and programmability at an entry-level price for professional CAD, DCC, and visualization applications. NVIDIA Quadro entry leve...

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[pdf] Specifications

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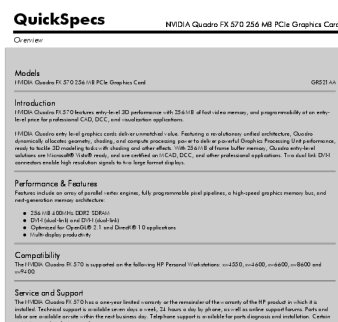
QuickSpecs Overview NVIDIA Quadro FX 570 Graphics Board Models NVIDIA

Quadro FX 570 256 MB PCIe Graphics Card **GR521AA** Introduction NVIDIA Quadro

FX 570 features entry-level 3D performance with 256 MB of fast video memory, and

programmability at an entry-level price for professional CAD, DCC, and...

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Quadro FX 570 features entry-level 3D performance with 256 MB of fast video

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HP workstation accessories brochure 2009 Options and high-performance displays

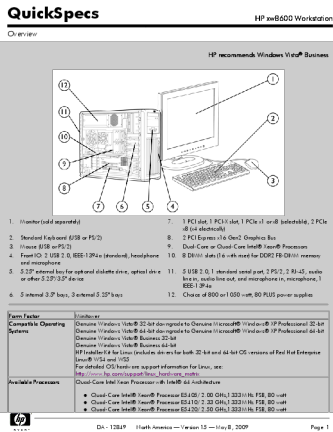
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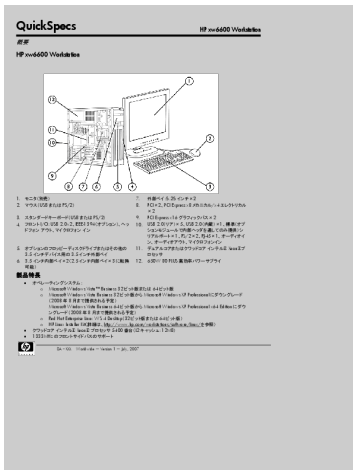
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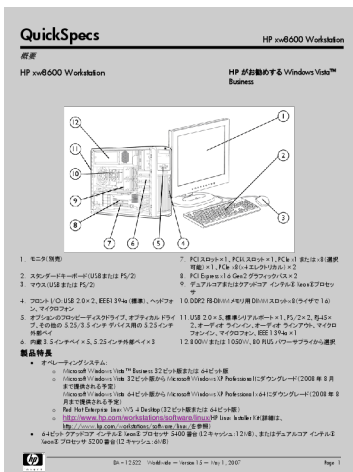
QuickSpecs Overview HP xw8600 Workstation HP recommends Windows Vista Business 1. Monitor sold se ... Cle Graphics Card Y Y GP528AA See note 1 2 NVIDIA Quadro FX 570 256 MB PCIe Graphics Card Y Y **GR521AA** See note 1 2 Mid-range 3D NVIDIA Quadro FX 1700 512 MB PCIe Graphics Card Y Y GP529AA S... lang:en **score:14** filesize: 1.33 M page_count: 53 document date: 2009-05-08



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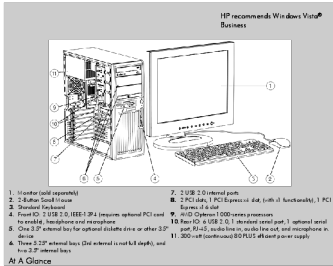


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On-screen



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