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› [HP NVIDIA Quadro FX570 256MB PCIe Graphics Card User Manual](#)

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.

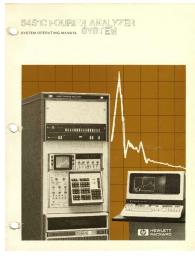
8. SPECIFICATIONS

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

 The image shows the front cover of the 'HEWLETT PACKARD Zbook Firefly 14 G7' user manual. It features the HP logo and the text 'MANUEL' and 'NOTICE D'UTILISATION'. Below the title, there are icons for a computer, a smartphone, and a tablet, followed by the text 'Téléchargez cette édition' and 'Téléchargez l'édition papier'.	<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>
 The image shows the front cover of the 'Hewlett Packard 5451C Fourier Analyzer System Operating Manual'. It features the HP logo and the text '5451C FOURIER ANALYZER SYSTEM'.	<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 Oral History of Bill Holland Interviewer: Gert Jan van Beurden Recorded February 21, 2017 Mountain View, CA</p> <p>Oral Reference Number: 800-07-2017 © 2017 Computer History Museum</p>	<h3>Oral History of Bill Holland: A Journey Through Computing and Innovation</h3> <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>	<h3>VMware Virtual Dedicated Graphics Acceleration (vDGA) Guide</h3> <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>	<h3>Running Calculations on GPUs with Gaussian 16</h3> <p>Explore how Gaussian 16 leverages NVIDIA GPUs for accelerated computational chemistry, detailing performance gains and implementation strategies.</p>
 <p>QuickSpecs HPE ProLiant DL380 Gen11</p>	<h3>HPE ProLiant DL380 Gen11 Server QuickSpecs</h3> <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>

Documents - HEWLETT PACKARD – GR521AA

Models
NVIDIA Quadro FX 570 PCI-Express graphics board kit

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 level graphics boards deliver unmatched value. Featuring a revolutionary unified architecture, Quadro dynamics automatically allocates memory to the most demanding tasks, providing the best of both worlds. Providing entry level performance, ready to tackle 3D modeling tasks with shading and other effects. With 256 MB of frame buffer memory, Quadro FX 570 is perfect for 3D rendering, CAD, DCC, and other professional visualization applications. Two GPUs in DVI output create high resolution output to two large format plotters.

Performance & Features
Features include an array of powerful vertex engines, fully programmable pixel pipelines, a high-speed graphics memory bus, and next-generation memory architecture.

- 256 MB GDDR3
- DVI (Quadro and DVI dual-link)
- Optimized for OpenGL® 2.1 and DirectX® 10 applications
- Multi-GPU compatibility

Compatibility
The NVIDIA Quadro FX 570 is supported on HP workstations.

Service and Support
The NVIDIA Quadro FX 570 is a one-year limited warranty on the warranty of the system in which it is installed. Technical support is available seven days a week, 24 hours a day by phone, as well as online support forums. Parts and labor are available directly within the next business day. Telephone support is available for parts diagnosis and troubleshooting. Consult your system and workstation supplier.

[\[pdf\] Specifications](#)

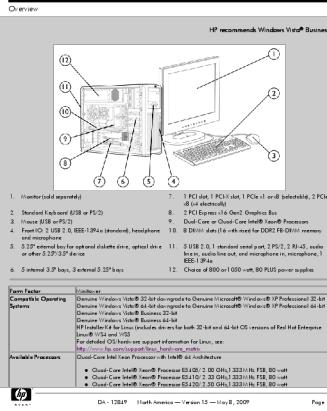
NVIDIA Quadro FX 570 Graphics Board QuickSpec HP Product Bulletin © 2007 Hewlett Packard

Development Company L P entry level graphics boards deliver unmatched value. Featuring a revolutionary unified architecture dynamically allocates geometry. FX570 content ekatalog biz katalog GR521AA

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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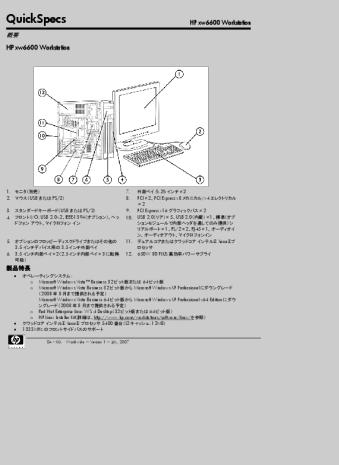


[pdf] User Manual Specifications

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Keyword Rankings |||

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

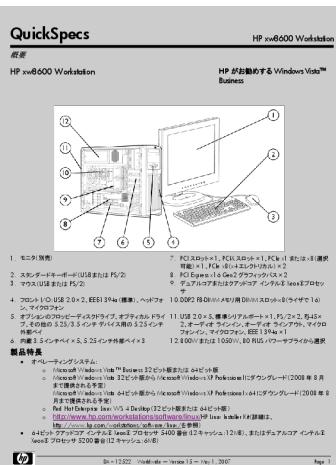


[pdf] Specifications

HP xw6600 workstation QuickSpecs xw6400 Workstation Desktop Assistance LP Quickspecs

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QuickSpecs HP xw6600 Workstation HP xw6600 Workstation 1. 2. USB PS/2 3. USB PS/2 4. I/OUSB 2 ... 4 32 64 32 64 WS 4 5 Desktop **GR521AA** GT346AA GP529AA ES357AA RV706AA GS567AA SATA 80GB 7200rpm SATA 3.0Gb/s 160GB 7200rpm SA... lang:en score:12 filesize: 753.61 K page_count: 79 document date: 2007-12-12

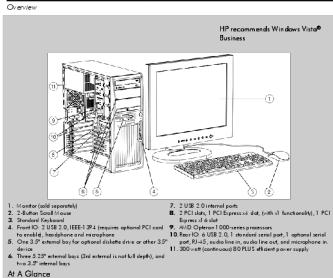


[pdf] Specifications

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QuickSpecs HP xw8600 Workstation HP xw8600 Workstation HP Windows VistaTM Business 1. 2. USB P ... adro FX 5600 PCIe 1.5GB 1 2 2 1 32 64 32 64 WS 4 5 Desktop GN502AA PT453A GP528AA **GR521AA** GP529AA ES357AA RV706AA GU095AA DA 12522 Worldwide -- Version 15 -- May 1, 2007 Page 13 ... lang:en score:10 filesize: 730.41 K page_count: 81 document date: 2007-12-12



[pdf] Specifications

HP xw4550 Workstation Product Bulletin QuickSpec © 2005 Desktop Assistance LP All Rights Reserved
XW4550 NTS Computers nts nl site html modules |||

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Business 1. Monitor sold se ... op WS 4 5 Desktop WS 4 5 Desktop WS 4 5 Desktop

WS 4 5 Desktop Part Number GN502AA GP528AA **GR521AA** GP529AA GT346AA

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