

PNY VCQK1200DP-PB

PNY NVIDIA Quadro K1200 Graphics Card User Manual

Model: VCQK1200DP-PB

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PNY NVIDIA Quadro K1200 graphics card. The Quadro K1200 is designed to deliver professional 3D application performance, particularly suited for small form factor workstations. It features a compact design and supports multiple displays.

2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- NVIDIA Quadro K1200 Graphics Card
- Four Mini DisplayPort to DisplayPort Adapters
- Full-height mounting bracket (pre-installed for half-height, full-height bracket included for conversion)
- Driver CD (Note: It is recommended to download the latest drivers from the NVIDIA website for optimal performance.)

3. SETUP AND INSTALLATION

3.1. Hardware Installation

1. **Prepare Your System:** Power off your computer and disconnect the power cable. Open the computer case to access the internal components.
2. **Remove Existing Graphics Card (if applicable):** If you are replacing an existing graphics card, carefully remove it from its PCIe slot.
3. **Install the Quadro K1200:** Locate an available PCI Express x16 slot on your motherboard. Align the graphics card with the slot and press down firmly until it is securely seated. Secure the card with the retention mechanism or screw provided by your computer case.
4. **Bracket Configuration:** The card typically comes configured with a half-height bracket. If your system requires a full-height bracket, carefully remove the pre-installed bracket and attach the included full-height bracket using the provided screws.

5. **Connect Displays:** Connect your display cables to the Mini DisplayPort connectors on the graphics card. Use the provided Mini DisplayPort to DisplayPort adapters if your monitors require standard DisplayPort connections.
6. **Close Case and Power On:** Close your computer case and reconnect the power cable. Power on your computer.



Figure 1: Front view of the PNY NVIDIA Quadro K1200 graphics card, highlighting the four Mini DisplayPort outputs and the low-profile bracket.



Figure 2: Angled front view of the PNY NVIDIA Quadro K1200 graphics card, illustrating the cooling fan and the Mini DisplayPort outputs.

3.2. Driver Installation

1. **Initial Boot:** Upon first boot after hardware installation, your operating system may install generic drivers or prompt for driver installation.
2. **Download Latest Drivers:** Visit the official NVIDIA website (www.nvidia.com/drivers) and navigate to the driver download section. Select 'Quadro' for product type, 'Quadro K Series' for product series, and 'Quadro K1200' for product. Choose your operating system and download the latest recommended driver.
3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen prompts. A system restart may be required to complete the installation.

4. OPERATING INSTRUCTIONS

4.1. Display Configuration

Once drivers are installed, you can configure your display settings through your operating system's display settings or the NVIDIA Control Panel. The Quadro K1200 supports up to four displays simultaneously via its Mini DisplayPort 1.2 connectors.

- **Windows:** Right-click on the desktop and select 'Display settings' or 'NVIDIA Control Panel'.
- **Linux:** Use your desktop environment's display settings or NVIDIA X Server Settings.

You can extend your desktop across multiple displays, duplicate displays, or use a single display.

5. MAINTENANCE

The PNY NVIDIA Quadro K1200 graphics card is designed for reliable operation with minimal maintenance. To ensure optimal performance and longevity:

- **Keep it Clean:** Periodically inspect the card's fan and heatsink for dust accumulation. Use compressed air to gently clear any dust, ensuring proper airflow and cooling.
- **Ensure Proper Airflow:** Maintain good airflow within your computer case by ensuring other components do not obstruct the graphics card's fan or vents.
- **Driver Updates:** Regularly check the NVIDIA website for updated drivers to benefit from performance improvements and bug fixes.



Figure 3: Side view of the PNY NVIDIA Quadro K1200 graphics card, illustrating the cooling fan and heatsink assembly for thermal management.

6. TROUBLESHOOTING

If you encounter issues with your Quadro K1200 graphics card, consider the following troubleshooting steps:

- **No Display Output:**
 - Ensure the graphics card is fully seated in the PCIe slot.
 - Verify that display cables are securely connected to both the graphics card and the monitor.
 - Test with a single monitor and different cables/adapters if possible.
- **Driver Issues:**
 - If display issues persist, try uninstalling existing graphics drivers and performing a clean installation of the latest drivers from the NVIDIA website.
 - Ensure your operating system is up to date.
- **Performance Problems:**

- Check for proper cooling and ensure the fan is spinning. Overheating can lead to performance throttling.
- Verify that your system meets the minimum requirements for the applications you are running.

For further assistance, refer to the NVIDIA support website or contact PNY customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	VCQK1200DP-PB
Graphics Coprocessor	NVIDIA
Graphics RAM Size	4 GB
GPU Clock Speed	512 MHz
Video Output Interface	DisplayPort (4x Mini DisplayPort 1.2)
Product Dimensions	11 x 6.38 x 2.63 inches
Item Weight	0.01 ounces

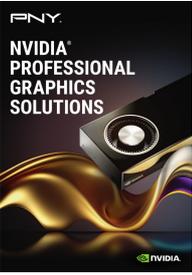
8. WARRANTY AND SUPPORT

The PNY NVIDIA Quadro K1200 graphics card comes with a **3-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or additional product information, please visit the official PNY support website or contact their customer service department. Keep your proof of purchase for warranty validation.

PNY Support: www.pny.com/support

Related Documents - VCQK1200DP-PB

	<p>PNY NVIDIA Professional Graphics Solutions Guide</p> <p>Explore PNY's comprehensive range of NVIDIA professional graphics cards, detailing specifications, performance, and ideal applications for workstations and data centers. Find the perfect GPU for your professional needs.</p>
	<p>PNY VelocityX Software Guide: Enhance Your Graphics Card Performance and Lighting</p> <p>Comprehensive guide to PNY VelocityX software, detailing how to monitor GPU performance, adjust settings, customize lighting effects, and manage user profiles for PNY graphics cards.</p>
	<p>PNY Graphics Card, SSD, and Memory Compatibility Guide for Entry-Level Workstations</p> <p>PNY's two-step guide to selecting compatible graphics cards, SSDs, and memory for entry-level HP, Lenovo, and Dell workstations. Find recommended PNY upgrade parts for your system.</p>



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[PNY MBM63017150 Motherboard User Manual](#)

User manual for the PNY MBM63017150 motherboard, providing detailed specifications, hardware setup instructions, BIOS configuration, and POST code information.



[PNY Pro Elite Portable SSD Quick Start Guide - Setup and Usage](#)

Quick start guide for the PNY Pro Elite Portable SSD, covering setup, connection, Acronis software, performance notes, warranty, and contact information.