

## PNY Quadro K2000

# PNY NVIDIA Quadro K2000 2GB GDDR5 Video Card User Manual

Model: Quadro K2000

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PNY NVIDIA Quadro K2000 2GB GDDR5 video card. Please read this manual thoroughly before proceeding with installation to ensure proper setup and optimal performance. The NVIDIA Quadro K2000 is designed for professional applications, offering advanced graphics capabilities and performance.

## 2. SAFETY INFORMATION

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

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Discharge static electricity by touching a grounded metal object (e.g., the computer chassis) before handling the video card.
- Avoid touching the gold-plated connectors on the video card.
- Install the video card in a well-ventilated area.
- If you are unsure about any step, consult a qualified technician.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- PNY NVIDIA Quadro K2000 2GB GDDR5 Video Card
- DVI to VGA Adapter (may vary by region/bundle)
- DisplayPort to DVI Adapter (may vary by region/bundle)
- Quick Start Guide (not included in this digital manual)
- Driver CD (drivers are typically downloaded online for the latest versions)



Image: PNY NVIDIA Quadro K2000 video card shown with a DVI to VGA adapter and a DisplayPort to DVI adapter. These accessories facilitate connection to various display types.

## 4. SYSTEM REQUIREMENTS

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Before installing the PNY NVIDIA Quadro K2000, ensure your system meets the following minimum requirements:

- PCI Express x16 slot on the motherboard.
- Minimum 350W power supply (with a 6-pin PCIe power connector if required by your specific card model, though K2000 typically draws power from the PCIe slot).
- Supported operating system (Windows 7/8/10, Linux, etc.).
- Minimum 2GB system memory.
- CD-ROM or DVD-ROM drive (for driver CD, if used) or internet connection (for driver download).

## 5. HARDWARE INSTALLATION

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Follow these steps to install your video card:

1. **Prepare Your System:** Power off your computer and unplug the power cord. Open the computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. Remove the metal bracket cover from the back of the computer case corresponding to this slot.
3. **Insert Video Card:** Carefully align the video card with the PCIe slot. Press down firmly and evenly until the card is fully seated in the slot. A click may be heard.
4. **Secure Card:** Secure the video card to the computer case with a screw or retention clip.
5. **Connect Power (if applicable):** If your specific K2000 model requires an auxiliary PCIe power connector (uncommon for K2000 but check your card), connect the 6-pin PCIe power cable from your power supply to the card.
6. **Close Case:** Close your computer case and reconnect all cables.

## 6. DRIVER INSTALLATION

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After hardware installation, you must install the appropriate drivers:

1. **Power On:** Connect your display to the video card and power on your computer. The system may boot into a low-resolution display.
2. **Download Drivers:** Visit the official NVIDIA website ([www.nvidia.com/drivers](http://www.nvidia.com/drivers)) or the PNY support website. Select "Quadro" as the product type, "Quadro K-Series" as the product series, and "Quadro K2000" as the product. Choose your operating system.
3. **Install Drivers:** Download the latest recommended drivers. Run the installer and follow the on-screen prompts. You may need to restart your computer after installation.

4. **Verify Installation:** After restarting, open your operating system's device manager to confirm the NVIDIA Quadro K2000 is recognized and functioning correctly.

## 7. CONFIGURATION AND OPERATION

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Once drivers are installed, you can configure your display settings:

- **NVIDIA Control Panel:** Right-click on your desktop and select "NVIDIA Control Panel." This utility allows you to adjust display resolution, refresh rate, color settings, and manage multiple displays.
- **Multiple Displays:** If connecting multiple monitors, use the NVIDIA Control Panel to extend or duplicate your desktop.
- **Professional Applications:** For optimal performance in professional design and engineering applications, ensure your software is configured to utilize the Quadro K2000.

## 8. MAINTENANCE

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Proper maintenance can extend the life and performance of your video card:

- **Keep Clean:** Periodically clean dust from the fan and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Ensure Airflow:** Make sure your computer case has adequate airflow to prevent overheating.
- **Driver Updates:** Regularly check for and install the latest NVIDIA drivers to benefit from performance improvements and bug fixes.

## 9. TROUBLESHOOTING

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Here are solutions to common issues:

- **No Display Output:**
  - Ensure the monitor cable is securely connected to the video card and the monitor.
  - Verify the video card is fully seated in the PCIe slot.
  - Check if the monitor is set to the correct input source.
  - If your motherboard has integrated graphics, ensure the BIOS is configured to use the discrete graphics card.
- **Low Resolution / Incorrect Display:**
  - Install or update the NVIDIA drivers.
  - Adjust display settings in the NVIDIA Control Panel or your operating system's display settings.
- **System Instability / Crashes:**
  - Ensure drivers are up to date.
  - Check for adequate power supply.
  - Monitor temperatures to ensure the card is not overheating.

## 10. SPECIFICATIONS

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Key technical specifications for the PNY NVIDIA Quadro K2000:

Feature	Detail
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Graphics Coprocessor	NVIDIA Quadro K2000
Graphics RAM Size	2 GB GDDR5
Video Output Interface	DisplayPort, DVI
Manufacturer	PNY Technologies
Item Weight	1.1 pounds (approx. 0.5 kg)
Package Dimensions	10.25 x 6.8 x 3 inches (approx. 26 x 17.3 x 7.6 cm)
ASIN	B00NXH27FS

## 11. WARRANTY AND SUPPORT

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PNY products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty information included with your product or visit the official PNY website.

For technical support, driver downloads, and frequently asked questions, please visit the PNY support portal:

- **PNY Support Website:** [www.pny.com/support](http://www.pny.com/support)
- **NVIDIA Drivers:** [www.nvidia.com/drivers](http://www.nvidia.com/drivers)

When contacting support, please have your product model (Quadro K2000) and serial number ready.