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Palit NE51060015J9-1061D

Palit GeForce GTX 1060 6GB DUAL Graphics Card User Manual

Model: NE51060015J9-1061D

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Palit GeForce GTX 1060 6GB DUAL graphics card. Please read this manual thoroughly before installation to ensure proper setup and optimal performance. This graphics card is designed to deliver high-performance visual processing for gaming and demanding applications.



Figure 1.1: The Palit GeForce GTX 1060 6GB DUAL graphics card.

2. SAFETY INFORMATION

- Always disconnect the power supply from your computer before installing or removing any hardware components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage electronic components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Ensure proper ventilation within your computer case to prevent overheating.
- Keep the graphics card away from moisture, dust, and extreme temperatures.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Palit GeForce GTX 1060 6GB DUAL Graphics Card

- Quick Installation Guide (this document)
- Driver & Utility CD (or download instructions)

Note: Package contents may vary slightly depending on region or retailer.

4. SYSTEM REQUIREMENTS

Before installation, ensure your system meets the following minimum requirements:

- PCI Express-compliant motherboard with one dual-width x16 graphics slot.
- Minimum 400W system power supply with one 6-pin PCI Express supplementary power connector.
- Minimum 8GB system memory (RAM).
- Microsoft Windows 10, Windows 8.1, Windows 8, Windows 7 (64-bit operating system recommended).
- Internet connection for driver download and updates.

5. SETUP AND INSTALLATION

5.1 Physical Installation

1. Turn off your computer and disconnect the power cable from the wall outlet.
2. Open your computer case. Refer to your computer's manual for specific instructions.
3. Locate an available PCI Express x16 slot on your motherboard. Remove any expansion slot covers that may be blocking the slot.
4. Carefully insert the graphics card into the PCI Express x16 slot. Press down firmly until the card is securely seated.
5. Secure the graphics card to the computer case with the retaining screw or clip.
6. Connect the 6-pin PCI Express power connector from your power supply to the corresponding port on the graphics card.



Figure 5.1: Side view of the graphics card, highlighting the 6-pin power connector.

5.2 Driver Installation

1. After physical installation, close your computer case and reconnect the power cable.
2. Connect your display monitor to one of the output ports on the graphics card (DVI, HDMI, or DisplayPort).
3. Power on your computer. The system may boot into a basic display mode.
4. Download the latest drivers from the official NVIDIA website (www.nvidia.com/drivers) or the Palit website (www.palit.com/download). Select your specific graphics card model and operating system.
5. Run the downloaded driver installer and follow the on-screen instructions. It is recommended to perform a clean installation.
6. Restart your computer when prompted to complete the driver installation.



Figure 5.2: Rear view of the graphics card with DVI, HDMI, and DisplayPort outputs.

6. OPERATING THE GRAPHICS CARD

6.1 Connecting Displays

The Palit GeForce GTX 1060 6GB DUAL supports multiple display outputs. You can connect up to four displays simultaneously using the available ports:

- 1x Dual-Link DVI-D
- 1x HDMI 2.0b
- 3x DisplayPort 1.4

Ensure your display cables are securely connected to the graphics card and your monitor. You can configure display settings through your operating system's display settings or the NVIDIA Control Panel.

6.2 NVIDIA Software

After driver installation, the NVIDIA Control Panel and GeForce Experience software will be available. These utilities allow you to:

- Adjust display settings, resolution, and refresh rates.
- Optimize game settings for best performance and visual quality.
- Record gameplay, stream, and capture screenshots.
- Keep your graphics drivers updated.

7. MAINTENANCE

7.1 Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your graphics card.

- Periodically inspect the fans and heatsink for dust buildup.
- With the computer powered off and unplugged, use compressed air to gently blow dust away from the fans and heatsink fins. Hold the fan blades to prevent them from spinning rapidly during cleaning.
- Do not use liquid cleaners directly on the card.

7.2 Driver Updates

Keep your graphics drivers updated to ensure compatibility with the latest games and applications, and to benefit from performance improvements and bug fixes. You can check for updates via NVIDIA GeForce Experience or the NVIDIA

website.

8. TROUBLESHOOTING

If you encounter issues with your graphics card, refer to the following common troubleshooting steps:

- **No Display Output:**

- Ensure the monitor is connected to the graphics card, not the motherboard's integrated graphics port.
- Verify the 6-pin PCIe power connector is securely attached to the graphics card.
- Check that the graphics card is fully seated in the PCI Express slot.
- Test with a different display cable or monitor if possible.

- **Driver Installation Issues:**

- Download the latest drivers directly from the NVIDIA website.
- Perform a clean installation of the drivers, removing previous versions first.
- Ensure your operating system is up to date.

- **Poor Performance or Crashes:**

- Ensure your drivers are up to date.
- Check system temperatures using monitoring software to rule out overheating.
- Verify your power supply meets the minimum recommended wattage (400W).
- Close unnecessary background applications.

- **Fan Noise:**

- Clean dust from the fans and heatsink.
- Ensure proper airflow within your computer case.
- Monitor fan speeds and temperatures.

If problems persist, consult the Palit support website or contact their customer service.

9. SPECIFICATIONS

Feature	Specification
Model Name	Palit GeForce GTX 1060 6GB DUAL
Model Number	NE51060015J9-1061D
Graphics Processor	NVIDIA GeForce GTX 1060
CUDA Cores	1280
Memory Capacity	6 GB GDDR5
Memory Interface	192-bit
Memory Speed	8.0 GHz (Effective)
Boost Clock	1708 MHz
Interface	PCI Express 3.0 x16
Video Output	1x DVI-D, 1x HDMI 2.0b, 3x DisplayPort 1.4
Max Digital Resolution	7680x4320
Recommended PSU	400 W
Power Connectors	1x 6-pin
Dimensions (LxWxH)	9.92 x 4.41 x 0.79 inches (25.2 x 11.2 x 2 cm)

10. WARRANTY AND SUPPORT

Palit products are covered by a limited warranty. For detailed warranty terms and conditions, please refer to the warranty information provided with your product or visit the official Palit website. If you require technical assistance or have questions not covered in this manual, please contact Palit customer support through their official website's support section.

Palit Official Website: www.palit.com