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ASUS GT1030-SL-2G-BRK

ASUS GT1030-SL-2G-BRK Graphics Card User Manual

Model: GT1030-SL-2G-BRK

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASUS GT1030-SL-2G-BRK graphics card. The ASUS GeForce GT 1030 is designed for silent operation with its 0dB thermal design, making it an ideal choice for slimline home-theatre PC (HTPC) builds and systems requiring quiet performance. It features a low-profile design and supports DVI and HDMI outputs.

2. PACKAGE CONTENTS

Please check the package contents carefully. If any item is missing or damaged, contact your retailer.

- ASUS GT1030-SL-2G-BRK Graphics Card
- Documentation (Quick Start Guide, Warranty Card)
- Low-profile bracket (if included with your model)



Image 2.1: The ASUS GT1030-SL-2G-BRK graphics card shown alongside its retail packaging.

3. SPECIFICATIONS

Feature	Detail
Graphics Engine	NVIDIA GeForce GT 1030
Video Memory	2GB GDDR5
GPU Clock Speed	1468 MHz (Boost)
Memory Interface	64-bit
Bus Standard	PCI Express 3.0
Video Output	1x HDMI, 1x DVI-D
Max DVI Resolution	1920x1200
Cooling	0dB Passive Cooling (Fanless)
Dimensions (L x W x H)	6.81 x 2.72 x 1.57 inches

Weight	14.1 ounces
Recommended PSU	300W or greater

4. SETUP

4.1. Before You Begin

Before installing the graphics card, ensure your system meets the following requirements:

- An available PCI Express 3.0 x16 slot on your motherboard.
- A power supply unit (PSU) with a minimum recommended output of 300W.
- Sufficient space within your PC case for the card's dimensions.
- A Phillips head screwdriver.
- An anti-static wrist strap (recommended).

Safety Precaution: Always power off your computer and unplug the power cord from the wall outlet before performing any hardware installation to prevent electric shock and damage to components.

4.2. Hardware Installation

1. **Power Off and Disconnect:** Shut down your computer completely and unplug the power cord.
2. **Open PC Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCI Express 3.0 x16 slot on your motherboard. This is typically the longest slot. Remove any metal bracket covers from the back of the case corresponding to the slot.
4. **Insert Graphics Card:** Carefully align the graphics card with the PCIe slot. Press down firmly and evenly until the card is fully seated in the slot. Ensure the retention clip (if present) locks into place.
5. **Secure Card:** Secure the graphics card to the PC case using the screw(s) from the removed metal bracket cover. If using the low-profile bracket, ensure it is installed correctly before securing.
6. **Close PC Case:** Replace the side panel of your computer case.
7. **Connect Display:** Connect your monitor cable (HDMI or DVI) to the corresponding port on the graphics card.

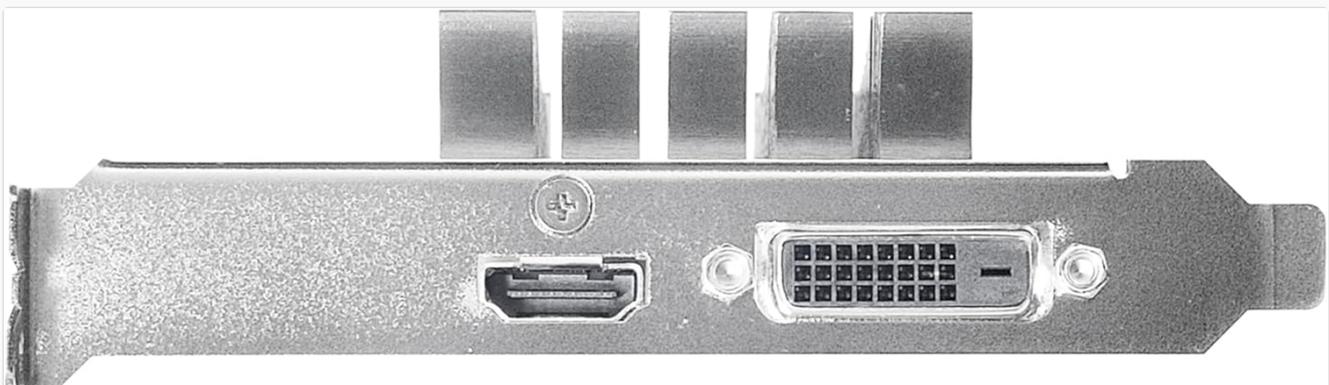


Image 4.1: Rear view of the ASUS GT1030-SL-2G-BRK graphics card showing the HDMI and DVI-D output ports.

4.3. Driver Installation

After hardware installation, you need to install the graphics drivers for optimal performance.

1. **Power On:** Plug in the power cord and turn on your computer.
2. **Initial Boot:** Your operating system may boot with a basic display driver.

3. **Download Drivers:** Visit the official ASUS support website (www.asus.com/support/) or the NVIDIA driver download page (www.nvidia.com/drivers). Search for drivers specific to the GeForce GT 1030.
4. **Install Drivers:** Download and run the driver installer. Follow the on-screen prompts to complete the installation. A system restart may be required.

5. OPERATING THE GRAPHICS CARD

Once the drivers are installed, your graphics card is ready for use. The NVIDIA GeForce GT 1030 supports various display configurations and technologies.

- **Display Settings:** Access your operating system's display settings to configure resolution, refresh rate, and multiple monitors.
- **NVIDIA Control Panel:** For advanced settings and optimizations, open the NVIDIA Control Panel (usually accessible via right-clicking on the desktop). Here you can adjust 3D settings, display color, video settings, and more.
- **Game Ready Drivers:** Ensure your drivers are up-to-date for the best performance in games and applications.

6. MAINTENANCE

The ASUS GT1030-SL-2G-BRK features a 0dB passive cooling design, meaning it does not have a fan. This significantly reduces dust accumulation and eliminates fan noise, requiring less frequent maintenance compared to cards with active cooling.

- **Dust Removal:** Periodically (e.g., every 6-12 months), open your PC case and use compressed air to gently remove any dust buildup from the heatsink fins of the graphics card. Ensure the system is powered off and unplugged before cleaning.
- **Environmental Conditions:** Operate the card in a well-ventilated environment to ensure efficient passive cooling. Avoid obstructing airflow around the card.

7. TROUBLESHOOTING

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

- **No Display Output:**
 - Ensure the monitor cable is securely connected to both the graphics card and the monitor.
 - Verify the monitor is powered on and set to the correct input source.
 - Reseat the graphics card in its PCIe slot to ensure it is properly connected.
 - Test with a different display cable or monitor if possible.
- **Driver Issues / Low Performance:**
 - Ensure you have installed the latest drivers from the ASUS or NVIDIA website.
 - Uninstall previous graphics drivers completely before installing new ones.
 - Check for any conflicts with other installed software or drivers.
- **System Instability / Crashes:**
 - Ensure your power supply unit (PSU) meets the recommended wattage.
 - Monitor the card's temperature using third-party software to ensure it is not overheating.

- Check for proper ventilation within your PC case.

8. WARRANTY INFORMATION

ASUS products are manufactured to the highest quality standards. This product is covered by a limited warranty provided by ASUS. The specific terms and conditions of your warranty may vary by region and retailer. Please refer to the warranty card included in your product package or visit the official ASUS website for detailed warranty information.

9. TECHNICAL SUPPORT

For further assistance, technical support, or driver updates, please visit the official ASUS support website:

[ASUS Support Website](#)

You can also find FAQs, troubleshooting guides, and contact information for customer service on their website.