

## ZOTAC ZT-T20600H-10M

# ZOTAC Gaming GeForce RTX 2060 Graphics Card User Manual

Model: ZT-T20600H-10M

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your ZOTAC Gaming GeForce RTX 2060 graphics card. The GeForce RTX 2060 utilizes the NVIDIA Turing architecture, offering advanced graphics capabilities for desktop computing environments.

Key features include IceStorm 2.0 cooling, 6GB GDDR6 memory, and compatibility with ZOTAC's FireStorm Utility for performance monitoring and tuning.



Image 1.1: ZOTAC Gaming GeForce RTX 2060 graphics card and its retail packaging.

## 2. SAFETY INFORMATION

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- 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. Static discharge can damage electronic components.
- Handle the graphics card by its edges. Avoid touching the gold-plated PCI Express connector or other components on the circuit board.
- Ensure proper ventilation within your computer case to prevent overheating.
- Keep the graphics card away from moisture, dust, and extreme temperatures.

## 3. PACKAGE CONTENTS

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Verify that your package contains the following items:

- ZOTAC Gaming GeForce RTX 2060 Graphics Card
- Quick Installation Guide (User Manual)
- Driver CD (or link to driver download) - *Note: Drivers are typically downloaded from the official ZOTAC or NVIDIA website for the latest versions.*



Image 3.1: Retail packaging of the ZOTAC Gaming GeForce RTX 2060.

## 4. SETUP AND INSTALLATION

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### 4.1. Hardware Installation

1. **Prepare Your System:** Power off your computer and disconnect the power cable. Open the computer case.
2. **Locate PCI Express Slot:** Identify an available PCI Express x16 slot on your motherboard.
3. **Remove Slot Cover:** Remove the metal slot cover(s) corresponding to the chosen PCIe slot on the back of your computer case.
4. **Install Graphics Card:** Carefully align the graphics card with the PCIe slot and press it firmly until it is securely seated. Ensure the retention clip on the motherboard engages.

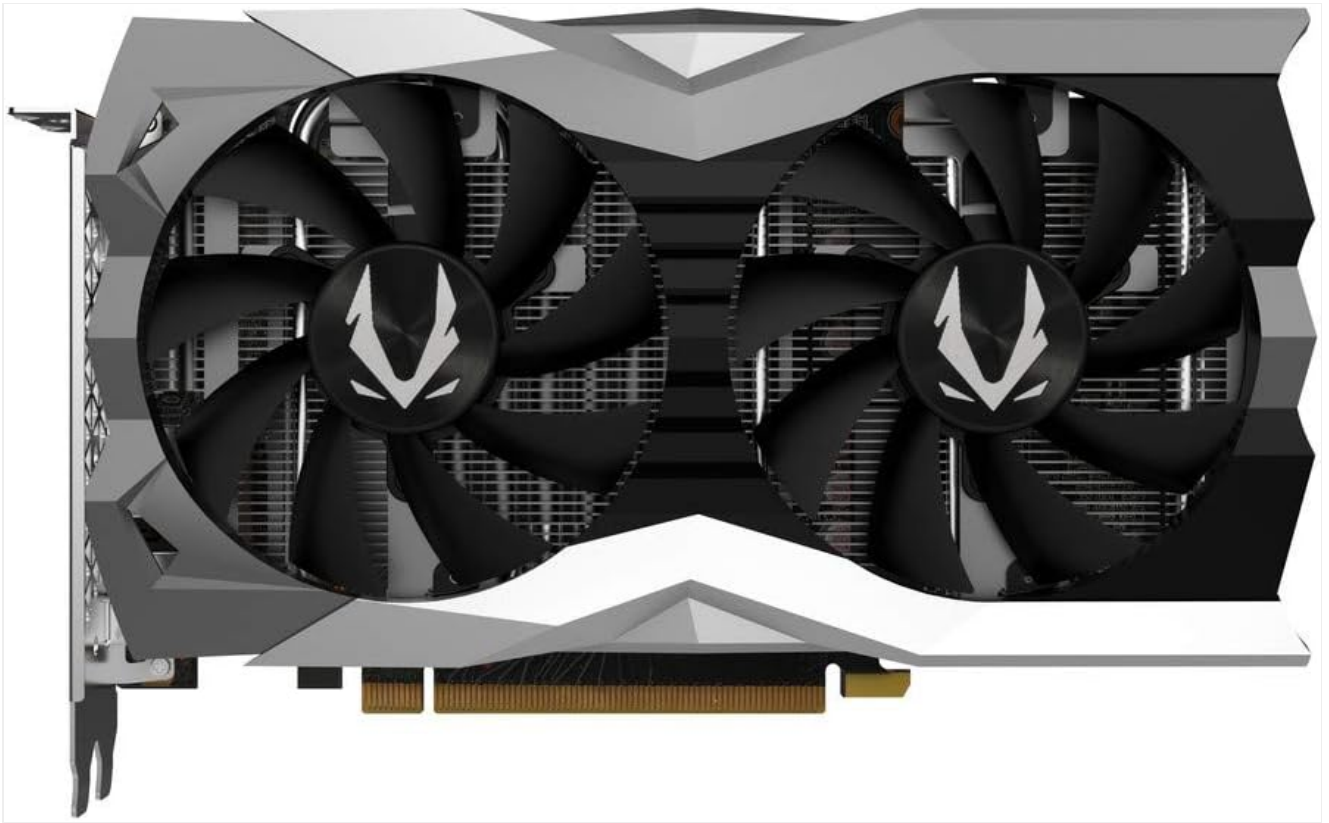


Image 4.1: Front view of the graphics card, showing the dual fan cooling system.

5. **Secure the Card:** Secure the graphics card to the computer case with screws.



Image 4.2: Angled view of the graphics card, highlighting its compact design.

6. **Connect Power:** Connect the required PCIe power connector(s) from your power supply unit (PSU) to the graphics card. The ZOTAC Gaming GeForce RTX 2060 typically requires one 8-pin PCIe power connector.
7. **Close Case and Reconnect:** Close your computer case, reconnect the power cable, and connect your monitor(s) to

the graphics card's display outputs.



Image 4.3: Display output ports, including DisplayPort and HDMI connectors.

## 4.2. Driver Installation

1. **Power On:** Power on your computer. Windows may automatically install a basic display driver.
2. **Download Drivers:** Visit the official ZOTAC website ([www.zotac.com](http://www.zotac.com)) or NVIDIA website ([www.nvidia.com/drivers](http://www.nvidia.com/drivers)) to download the latest drivers for your GeForce RTX 2060.
3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions. A system restart may be required.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Connecting Displays

The ZOTAC Gaming GeForce RTX 2060 features multiple display outputs. Connect your monitor(s) using DisplayPort or HDMI cables. Ensure your monitor is set to the correct input source.

### 5.2. ZOTAC FireStorm Utility

The FireStorm Utility is ZOTAC's software for monitoring and tuning your graphics card. It allows you to adjust clock speeds, fan curves, and monitor temperatures. Download the utility from the official ZOTAC website.

- **OC Scanner:** This feature within FireStorm can automatically find stable overclock settings for your card.
- **Fan Control:** Customize fan speed profiles for optimal cooling and noise levels.
- **Monitoring:** View real-time information on GPU temperature, clock speeds, and usage.



## 6. MAINTENANCE

- **Dust Removal:** Periodically clean dust from the graphics card's heatsink and fans using compressed air. Ensure the computer is powered off and unplugged before cleaning. Hold the fan blades gently to prevent them from spinning rapidly during cleaning.
- **Driver Updates:** Regularly check the ZOTAC or NVIDIA website for the latest graphics drivers. Keeping drivers updated ensures optimal performance and compatibility.
- **Software Monitoring:** Use the FireStorm Utility to monitor the card's temperature and performance. High temperatures can indicate insufficient cooling or excessive dust buildup.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on monitor.	<ul style="list-style-type: none"><li>◦ Graphics card not seated correctly.</li><li>◦ Power cable not connected.</li><li>◦ Incorrect monitor input selected.</li><li>◦ Faulty display cable.</li></ul>	<ul style="list-style-type: none"><li>◦ Reseat the graphics card firmly in the PCIe slot.</li><li>◦ Ensure the 8-pin PCIe power connector is securely attached.</li><li>◦ Check monitor input settings.</li><li>◦ Try a different display cable or monitor.</li></ul>
Driver installation failure.	<ul style="list-style-type: none"><li>◦ Corrupted driver download.</li><li>◦ Conflicting old drivers.</li></ul>	<ul style="list-style-type: none"><li>◦ Redownload the driver from the official ZOTAC or NVIDIA website.</li><li>◦ Use a driver uninstaller utility (e.g., Display Driver Uninstaller - DDU) to remove old drivers before installing new ones.</li></ul>
System instability or crashes during gaming.	<ul style="list-style-type: none"><li>◦ Overheating.</li><li>◦ Insufficient power supply.</li><li>◦ Outdated drivers.</li></ul>	<ul style="list-style-type: none"><li>◦ Monitor GPU temperatures using FireStorm Utility. Ensure adequate case airflow.</li><li>◦ Verify your PSU meets the recommended wattage for the RTX 2060.</li><li>◦ Update to the latest graphics drivers.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Graphics Coprocessor	NVIDIA GeForce RTX 2060
Video Output Interface	HDMI, DisplayPort
Graphics RAM Size	6 GB GDDR6
Memory Speed	14000 MHz
Max Screen Resolution	3840x2160, 4096x2160
Chipset Brand	NVIDIA

Feature	Detail
Model Number	ZT-T20600H-10M
Operating System Support	Windows 10 / 7 x64
Item Weight	2.2 pounds
Product Dimensions (LxWxH)	8.25 x 4.7 x 1.61 inches
Manufacturer	ZOTAC
Date First Available	April 5, 2019

## 9. WARRANTY AND SUPPORT

### 9.1. Warranty Information

ZOTAC products are covered by a limited warranty. The specific terms and duration of the warranty may vary by region and product. Please refer to the official ZOTAC website for detailed warranty information and registration procedures. An extended warranty may be available upon product registration.

### 9.2. Technical Support

For technical assistance, driver downloads, or further product information, please visit the official ZOTAC support website: [www.zotac.com/support](http://www.zotac.com/support)

Before contacting support, please have your product model number (ZT-T20600H-10M) and serial number ready.



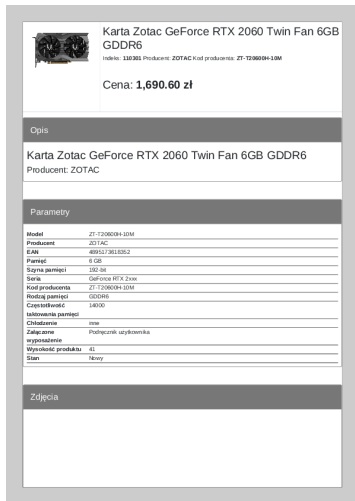
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### Related Documents - ZT-T20600H-10M

	<p><a href="#">ZOTAC Graphics Card Installation and Driver Guide</a></p> <p>Comprehensive guide for installing ZOTAC GeForce graphics cards and the latest NVIDIA drivers, including warranty information and safety precautions.</p>
	<p><a href="#">ZOTAC ZBOX C1329nano Quick Start Guide</a></p> <p>A concise guide to setting up and customizing the ZOTAC ZBOX C1329nano mini PC, covering package contents, hardware installation, and port identification.</p>
	<p><a href="#">ZOTAC GeForce GTX 1660 SUPER 6GB Quick Installation Guide</a></p> <p>Official quick installation guide for the ZOTAC GeForce GTX 1660 SUPER 6GB graphics card, covering hardware setup, driver installation, and updates.</p>





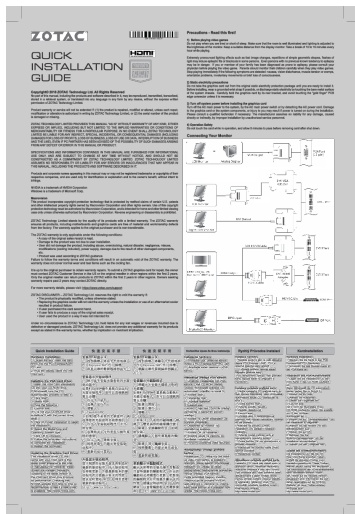


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