ZOTAC ZT-T20810A-10P

ZOTAC Gaming GeForce RTX 2080 Ti Blower Graphics Card User Manual

MODEL: ZT-T20810A-10P

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card. Please read this guide thoroughly before proceeding with installation to ensure proper setup and optimal performance.

PRODUCT OVERVIEW

The ZOTAC Gaming GeForce RTX 2080 Ti Blower is a high-performance graphics card designed for demanding gaming and professional applications. It features NVIDIA's Turing architecture, 11GB of GDDR6 memory, and a blower-style cooling solution.

- New Turing architecture for advanced graphics processing.
- 11GB 352-bit GDDR6 memory for high-bandwidth performance.
- Virtual Reality Ready for immersive experiences.
- 4K ready for ultra-high-definition gaming.
- Boost Clock 1545 MHz for enhanced speed.

Image: Front view of the ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card, showcasing its black shroud and single blower fan.

Image: Backplate view of the ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card, featuring a metal backplate for structural rigidity and heat dissipation.

WHAT'S IN THE BOX

Verify that all components are present in the package:

- ZOTAC GAMING GeForce RTX 2080 Ti Blower Graphics Card
- 2 x Dual 6-pin to 8-pin power cables
- User Manual (Quick Installation Guide)

Image: The retail packaging for the ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card.

Image: The ZOTAC Quick Installation Guide, providing initial setup instructions.

DP

HDMI

DP

DP

ZOTAC

Image: The included 2 x Dual 6-pin to 8-pin power cables for connecting the graphics card to the power supply.

SETUP & INSTALLATION

Follow these steps to install your graphics card:

1. **Prepare Your System:** Turn off your computer and disconnect the power cable. Open your computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express 3.0 x16 slot on your motherboard.
3. **Install the Card:** Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. Secure the card with the case's retention mechanism or screws.
4. **Connect Power:** Connect the required 8-pin power connectors from your power supply to the graphics card. Use the provided 6-pin to 8-pin adapters if necessary.
5. **Close Case & Connect Display:** Close your computer case, reconnect the power cable, and connect your display cable(s) to the graphics card's output ports.
6. **Install Drivers:** Power on your computer. Once the operating system loads, install the latest NVIDIA drivers from the official NVIDIA website.

Image: An angled view of the graphics card, illustrating its form factor for installation into a PCIe slot.

POWER REQUIREMENTS

To ensure stable operation, your system must meet the following power specifications:

- **Recommended Power Supply:** 650-watt power supply or greater.
- **Maximum Power Consumption:** 250 watts.

Note: Insufficient power supply can lead to system instability or damage.

CONNECTIONS

The graphics card provides multiple display output options:

- 3 x DisplayPort 1.4
- 1 x HDMI 2.0B
- 1 x USB Type-C

The card is capable of supporting quad simultaneous displays.

Image: The rear I/O panel of the graphics card, showing the DisplayPort, HDMI, and USB Type-C outputs.

SOFTWARE COMPATIBILITY

Ensure your system meets the following software requirements for optimal performance:

- **Operating System:** Microsoft Windows 10/7 x64
- **Drivers:** Game Ready Drivers (available from NVIDIA's official website)
- **APIs:** Microsoft DirectX 12 API, Vulkan API, OpenGL 4.5

OPERATING INSTRUCTIONS

After successful installation and driver setup, your ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card will automatically enhance your system's graphical capabilities. For best performance, ensure your drivers are always up-to-date. You can monitor card performance and temperatures using ZOTAC's FireStorm utility or other compatible third-party software.

MAINTENANCE

Regular maintenance helps prolong the lifespan and performance of your graphics card:

- **Dust Removal:** Periodically clean dust from the fan and heatsink using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Airflow:** Maintain good airflow within your PC case to prevent overheating. Ensure no cables or other components obstruct the graphics card's fan.
- **Driver Updates:** Keep your graphics drivers updated to benefit from performance improvements and bug fixes.

TROUBLESHOOTING

If you encounter issues, consider the following common solutions:

- **No Display:** Ensure the display cable is securely connected to the graphics card and the monitor. Verify the monitor is set to the correct input.
- **System Instability/Crashes:** Check power connections to the graphics card. Ensure your power supply meets the recommended wattage. Update or reinstall graphics drivers.

- **Overheating:** Verify that the graphics card fan is spinning. Clean any dust buildup from the heatsink and fan. Ensure adequate case airflow.
- **Driver Issues:** Perform a clean installation of the latest graphics drivers from NVIDIA's website.

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

SPECIFICATIONS

Feature	Specification
GPU	NVIDIA GeForce RTX 2080 Ti
CUDA Cores	4352
Video Memory	11GB GDDR6
Memory Bus	352-bit
Engine Boost Clock	1545 MHz
Memory Clock	14.0 Gbps
PCI Express	3.0
Display Outputs	3 x DisplayPort 1.4, 1 x HDMI 2.0B, 1 x USB Type-C
Multi Display Support	Quad Simultaneous Display Capable
Recommended Power Supply	650W
Power Consumption	250W
Dimensions (LxWxH)	10.55 x 4.45 x 1.5 inches
Operating System Support	Windows 10/7 x64

WARRANTY & SUPPORT

Your ZOTAC Gaming GeForce RTX 2080 Ti Blower graphics card may be eligible for an extended warranty. Registration is typically required to activate the full warranty period. Please refer to the official ZOTAC website for detailed warranty terms and conditions, and for information on how to register your product.

For technical support, driver downloads, and further assistance, visit the official ZOTAC support page:

ZOTAC Support Website

Image: Information regarding ZOTAC's 5-year warranty, which typically requires product registration.