



# GEFORCE<sup>®</sup> RTX 4090

Quick Start Guide

# 01 SYSTEM SPECIFICATIONS

Thank you for choosing the NVIDIA® GeForce RTX® 4090 graphics card. Before you begin, please review the following System Specifications to ensure your PC has the appropriate hardware and software for your new graphics card.

## System Specifications

### > **Motherboard:**

PCI Express® graphics slot required.

### > **Clearance:**

Must have space for 304mm (L) x 137mm (W) x 61mm (H) card.

One additional slot clearance in front of the fans is recommended for better airflow.

➤ **System Power Supply:**

- 850 W power rating minimum.
- Supported power connector configurations:
  - At least three PCIe 8-pin cables  
(with RTX 4090 PCIe Gen 5 Power Connector Adapter).
  - One 450 W or greater PCIe Gen 5 Cable (16-pin).

➤ **Operating System:**

- Microsoft® Windows® 11 64-bit recommended, or Microsoft® Windows® 10 64-bit April 2018 Update v1803 or newer.
- Linux, 64-bit.

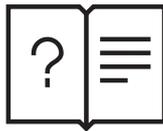
➤ **Driver Installation:** 2 GB of available disk space required for driver installation.

# 02 EQUIPMENT

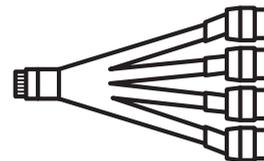
The following equipment is included in the NVIDIA GeForce RTX 4090 graphics card box.



**Quick Start  
Guide**



**Support  
Guide**

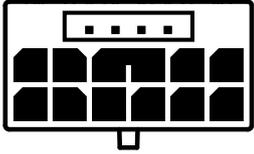


**NVIDIA PCIe  
Gen5 16-pin power  
connector adapter**



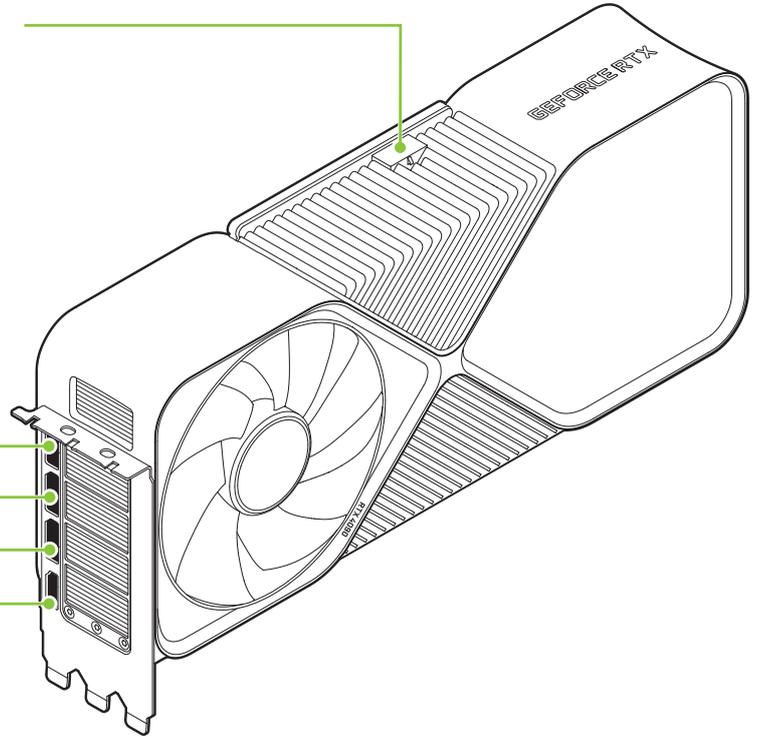
**Attention:** Use only the included NVIDIA power connector adapter for your GeForce RTX 40 Series Founders Edition graphics card.

PCIe Gen5 16-pin Power Connector



DisplayPort Connectors (x3)

HDMI Connector



GeForce RTX 4090 Graphics Card

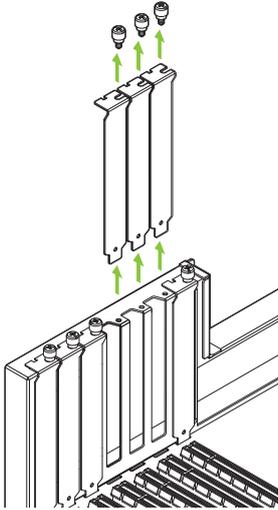
# 03 HARDWARE INSTALLATION

- 1 Turn off your computer, disconnect the power cord and remove any existing graphics card(s).



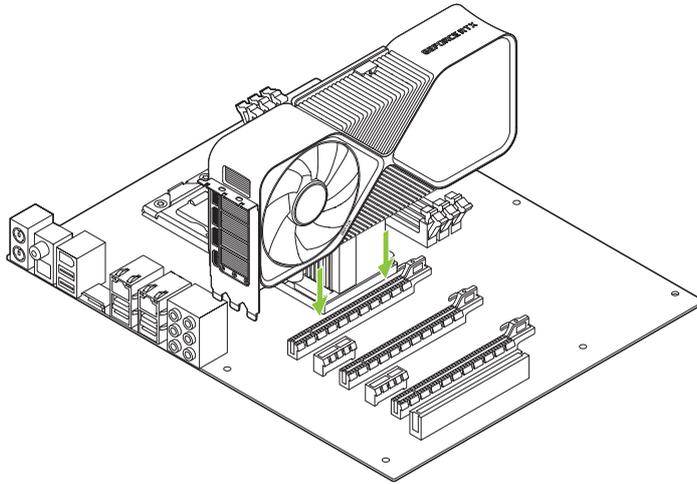
**Attention:** It is very important that you wait until the graphics card has cooled before taking the card out of the system.

- 2 Remove three slot covers if there was no existing graphics card.



Remove three adjacent slot covers that correspond to the PCI Express slot you are installing the graphics card in.

- 3 Install the GeForce RTX 4090 graphics card into the primary PCI Express x16 slot on your motherboard.

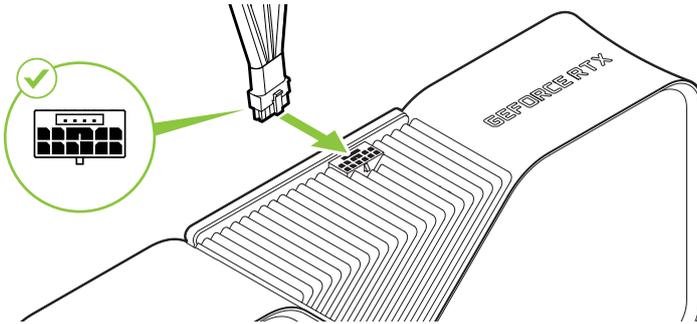


Install your GeForce RTX 4090 into the Primary PCI Express x16 slot (the Primary slot is the one closest to the CPU).



**Attention:** This GPU card should not be installed with the I/O brackets facing downwards.

- 4 Connect the 16-pin plug of NVIDIA power connector adapter to the power receptacle on the top of the GeForce RTX 4090 graphics card.



Connect at least three independent dedicated cables with 8-pin PCI Express plugs from the system power supply to the NVIDIA power connector adapter.

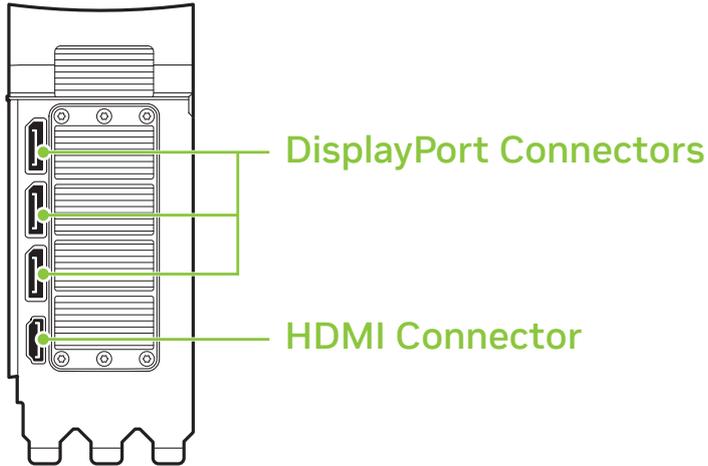


**Attention:** Use only the included NVIDIA power connector adapter for your GeForce RTX 40 Series Founders Edition graphics card.

- 5 Reinstall the covers on your computer and reconnect any cables previously removed.

# 04 CONNECTING TO THE DISPLAY

- 1 Connect the display(s) to the graphics card.
- 2 Reconnect your power cord to the PC.



# 05 SOFTWARE INSTALLATION AND CONFIGURATION

With the hardware installed, the final step is to install the GeForce Experience software to update your drivers and optimize your games.

- 1 Download and install GeForce Experience software.
  - Go to <http://www.geforce.com/geforce-experience> and click **Download Now**.
  - Accept the NVIDIA software license agreement by selecting **Agree and Continue**. GeForce Experience software begins to install.
  - Select **Close** to finish the installation.

## 2 Optimize your installed games.

- Open GeForce Experience and click **Scan for Games** and click OK to scan your installed games.
- Click on **Optimize All** to optimize your game settings.

## 3 Get the latest drivers.

- Open GeForce Experience, log in, and select the **Drivers** tab.
- Select **Download Driver**. Your GPU driver begins to download.
- Select **Express Installation** when the download finishes. GeForce Experience begins to install the graphics driver.



**Note:** It may take several minutes for the installation to take place. Your screen may go blank for a few seconds one or more times during installation. This is normal.

- Click **CLOSE** when the driver install completes.

## 4 Congratulations! Your GeForce graphics card is now ready to use!



**Note:** If you have any questions about your NVIDIA product you can Chat live with NVIDIA Customer Care at [www.nvidia.com/support](http://www.nvidia.com/support) or call 1-800-797-6530 (US) or 0800 404 7747 (UK).

## UNITED STATES

### Federal Communications Commission (FCC)



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including any interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- > Reorient or relocate the receiving antenna.
- > Increase the separation between the equipment and receiver.
- > Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- > Consult the dealer or an experienced radio/TV technician for help.

**FCC Warning:** The FCC requires that you be notified that any changes or modifications to this device not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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