

GEFORCE[®] 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).

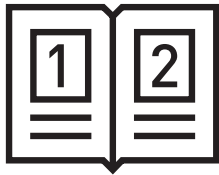
> **Operating System:**

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

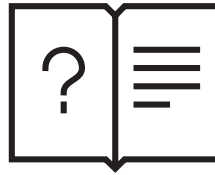
> **Driver Installation:** 2 GB of available disk space required for driver installation.

02 EQUIPMENT

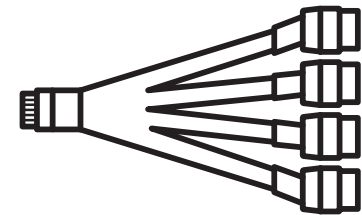
The following equipment is included in the NVIDIA GeForce RTX 4090 graphics card box.



Quick Start
Guide



Support
Guide

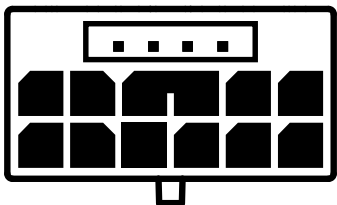


NVIDIA PCIe
Gen5 16-pin power
connector adapter



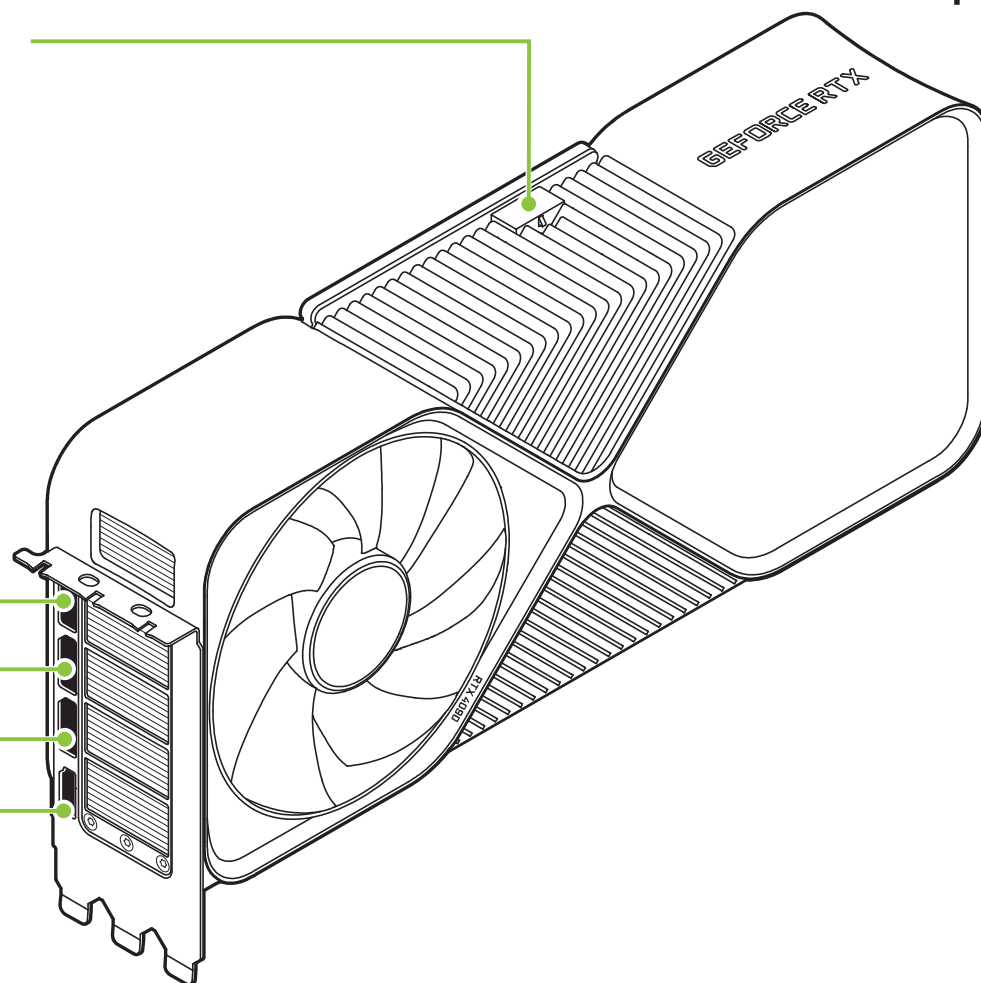
Attention: Use only the included NVIDIA power connector adapter for your GeForce RTX 40 Series Founders Edition graphics card.

PCIe Gen5 16-pin Power Connector



DisplayPort
Connectors (x3)

HDMI Connector



GeForce RTX 4090 Graphics Card

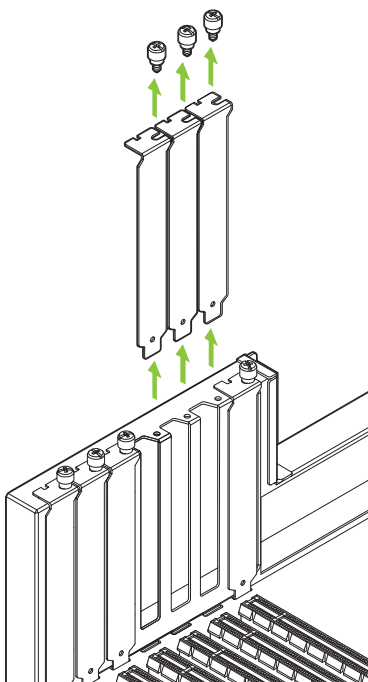
03 HARDWARE INSTALLATION

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



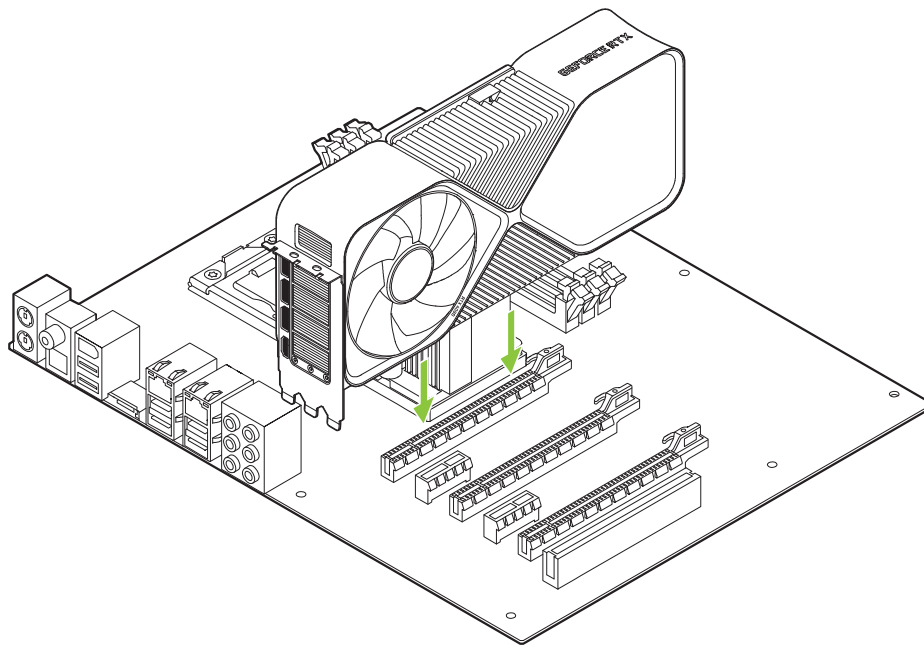
Attention: It is very important that you wait until the graphics card has cooled before taking the card out of the system.

- 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.

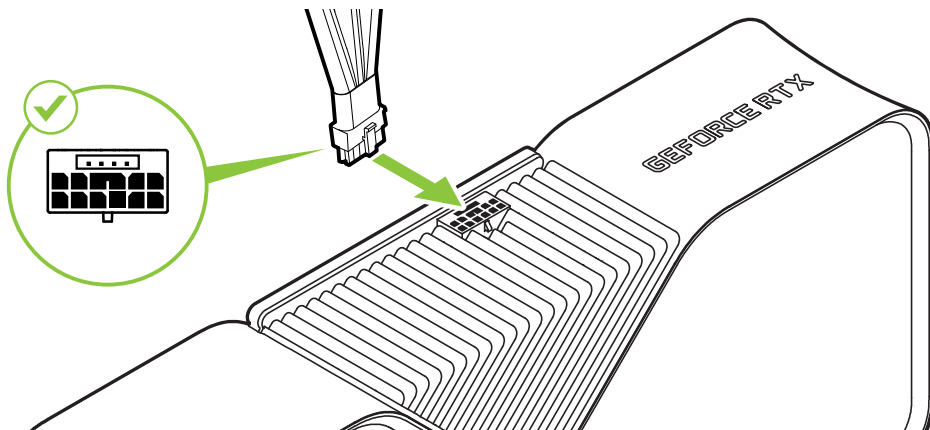


Install your GeForce RTX 4090 into the Primary PCI Express x16 slot (the Primary slot is the one closest to the CPU).



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.

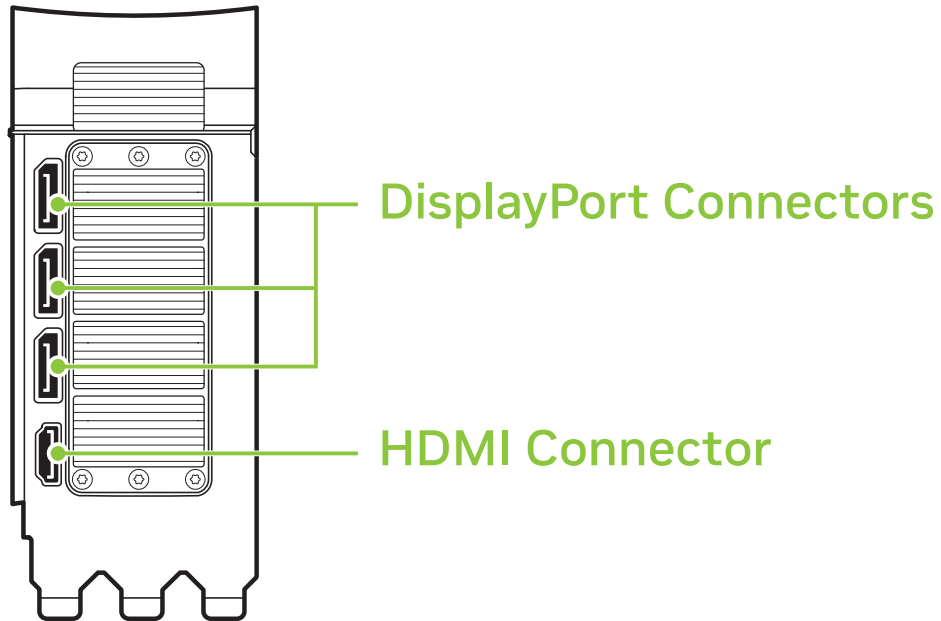


Attention: Use only the included NVIDIA power connector adapter for your GeForce RTX 40 Series Founders Edition graphics card.

- 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 or call 1-800-797-6530 (US) or 0800 404 7747 (UK).

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