# QUADRO®
## GV100

QUICK START GUIDE

# 01 MINIMUM SYSTEM REQUIREMENTS

## Thank you for choosing the NVIDIA® Quadro® GV100.

Before you begin set-up, review the following Minimum System Requirements list to ensure your system meets the minimum hardware and software specification for your graphics card.

### Minimum System Requirements

- **Motherboard**
  PCI Express x16 slot
- **Operating System**
  - Microsoft Windows 10, 8, 7 (64-bit)
  - Linux 64-bit on:
    - Red Hat Enterprise Linux 5.x
    - SUSE Linux Enterprise Desktop 11.x
    - OpenSUSE 11.x
    - Fedora 19
    - Ubuntu 12.x
  - FreeBSD
  - Solaris
- **Processor**
  - Intel Core i5, i7 or Xeon processor or later
  - AMD Phenom or Opteron class processor or later
- **System Memory**
  Minimum of two (2) GB memory, eight (8) GB or higher recommended
- **Internet connection for driver installation**

# 02 EQUIPMENT

## Included equipment with each NVIDIA Quadro GV100.

- Quick Start Guide
- Support Guide
- 4 DisplayPort to DVI Adapters
- 1 DisplayPort to HDMI Adapter
- 1 Stereo Connector Bracket
- 1 Auxiliary Power Cable (8-pin to dual 6-pin adapter)

**!** **ATTENTION:** Static electricity can severely damage electronic components. Take the following precautions when installing your new NVIDIA Quadro graphics card:

> Before touching any electronic parts, discharge the static electricity from your body by touching the internal metal frame of your system while it is unplugged.

> Do not remove your card from the packaging clamshell until you are ready to install it. Whenever you remove a card from your system, always place it back in the clamshell.

> Do not allow clothing or jewelry touch any electronic parts.

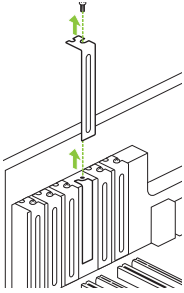
> When handling your graphics card, hold it by the edges and avoid touching any circuitry or the PCIe connector.

# 03 HARDWARE INSTALLATION

1. Remove the current graphics driver installed on the host system.
   - Go to **Start\Control Panel\Programs and Features**
   - Remove the current graphics driver.
2. Power down your system.
3. Unplug the power cord from the AC power source.
4. Remove the side panel from your system to gain access to the motherboard.

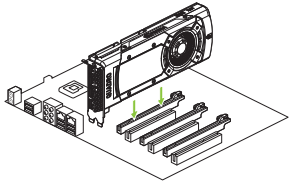
> **Note:** Reference your specific computer documents for instructions on accessing the motherboard in your computer.

5. Remove the existing graphics card if present. If a retention bar is holding the card in place, remove the screw securing the card. **OR**, If there is no existing graphics card, remove the access covers from the primary x16 PCI slot.



The Quadro GV100 is a dual-slot GPU and will require removing two adjacent slot covers.

6 Install the card into the primary x16 PCI slot. Press gently on the card until it is seated securely in the slot.

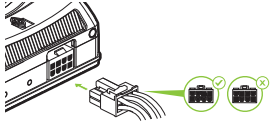


Install the graphics card into the primary x16 PCI slot.

The Quadro GV100 is a dual-slot GPU and will cover the adjacent slot.

7 Secure the card to the system frame using the screw(s) removed in **step 5**.

8 Connect the supplied auxiliary power cable(s) from the power supply to the back edge of the GPU.



Use the 8-pin to dual 6-pin auxiliary cable, if the power supply does not have an 8-pin auxiliary cable. Connecting a single 6-pin auxiliary cable directly to the GV100 is not recommended.

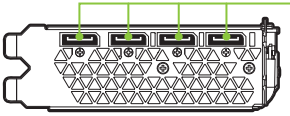
**Note:** Use the recommended power connector guidelines at www.nvidia.com/quadropowerguidelines.

9 Install the side panel removed in **step 4**.

# 04 CONNECTING TO THE DISPLAY

1. Connect the display cable(s) to your GPU.
2. Reconnect your power cord to the workstation.

**Quadro GV100**



**DisplayPort Connector**
Supports single-lane transfer rates over a single cable. The interface is primarily used to connect a video source to a display device such as a computer monitor.

# 05 SOFTWARE INSTALLATION AND CONFIGURATION

## Driver Installation

With the hardware installed, it is now time to install the graphics driver.

1 Power up your computer, start Windows or Linux, and login with an account that has Administrator rights.

**Note:** Since there is no GPU driver currently loaded, the display may run at reduced resolution or image quality.

2 Download and install the driver.

- Select and download the Optimal Driver for Enterprise (ODE) from www.nvidia.com/drivers.
- Set the 'Product Type' to Quadro, and use the various drop down menus to select Quadro GV100 and your Operating System.
- Launch the downloaded executable file, then follow the installer guides to complete installation.

  The installer may require you to reboot your system once the driver installation is complete.

Congratulations! Your NVIDIA Quadro graphics card is now ready to use!

www.nvidia.com

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