Phanteks PH-VGPUKT4.0_03

Phanteks PH-VGPUKT4.0_03 Gen4 Vertical GPU Bracket and 220mm PCI-E 4.0 Riser Cable Kit Instruction Manual

1. INTRODUCTION

This instruction manual provides detailed guidance for the installation and proper use of the Phanteks PH-VGPUKT4.0_03 Gen4 Vertical GPU Bracket and its accompanying 220mm PCI-E 4.0 Riser Cable Kit. This product is designed to allow vertical placement of your graphics card within compatible ATX chassis, ensuring full PCI-E Gen4 speeds and maintaining system stability. It supports graphics cards ranging from 1-slot to 4-slot sizes.

2. PACKAGE CONTENTS

Please verify that all components listed below are present in your package:

- Phanteks Gen4 Vertical GPU Bracket
- 220mm PCI-E Gen4 x16 Riser Cable
- Mounting Screws (various types for bracket and GPU attachment)
- Rubber Pads for GPU support
- Instruction Sheet

Figure 2.1: All components included in the Phanteks PH-VGPUKT4.0_03 package, showing the vertical GPU bracket, riser cable, screws, and rubber pads.

3. SETUP AND INSTALLATION

The Phanteks Gen4 Vertical GPU Bracket is designed for chassis with an open PCI slot design, such as the Phanteks Eclipse P300A, P360A, and P400A. Other ATX chassis may require modification for compatibility. A minimum of 7 PCI slots are required for installation.

3.1. Preparing the Bracket

1. Attach the PCI-E Gen4 x16 Riser Cable to the vertical GPU bracket using the provided screws. Ensure a secure connection.

2. Carefully align your graphics card with the riser cable slot and the bracket's mounting holes. Secure the graphics card to the bracket using the appropriate screws.

3. Apply the included rubber pads to the bottom of the bracket to provide additional support and prevent GPU sag once installed in the chassis.

Figure 3.1: The Phanteks vertical GPU bracket assembled with the 220mm PCI-E Gen4 x16 riser cable.
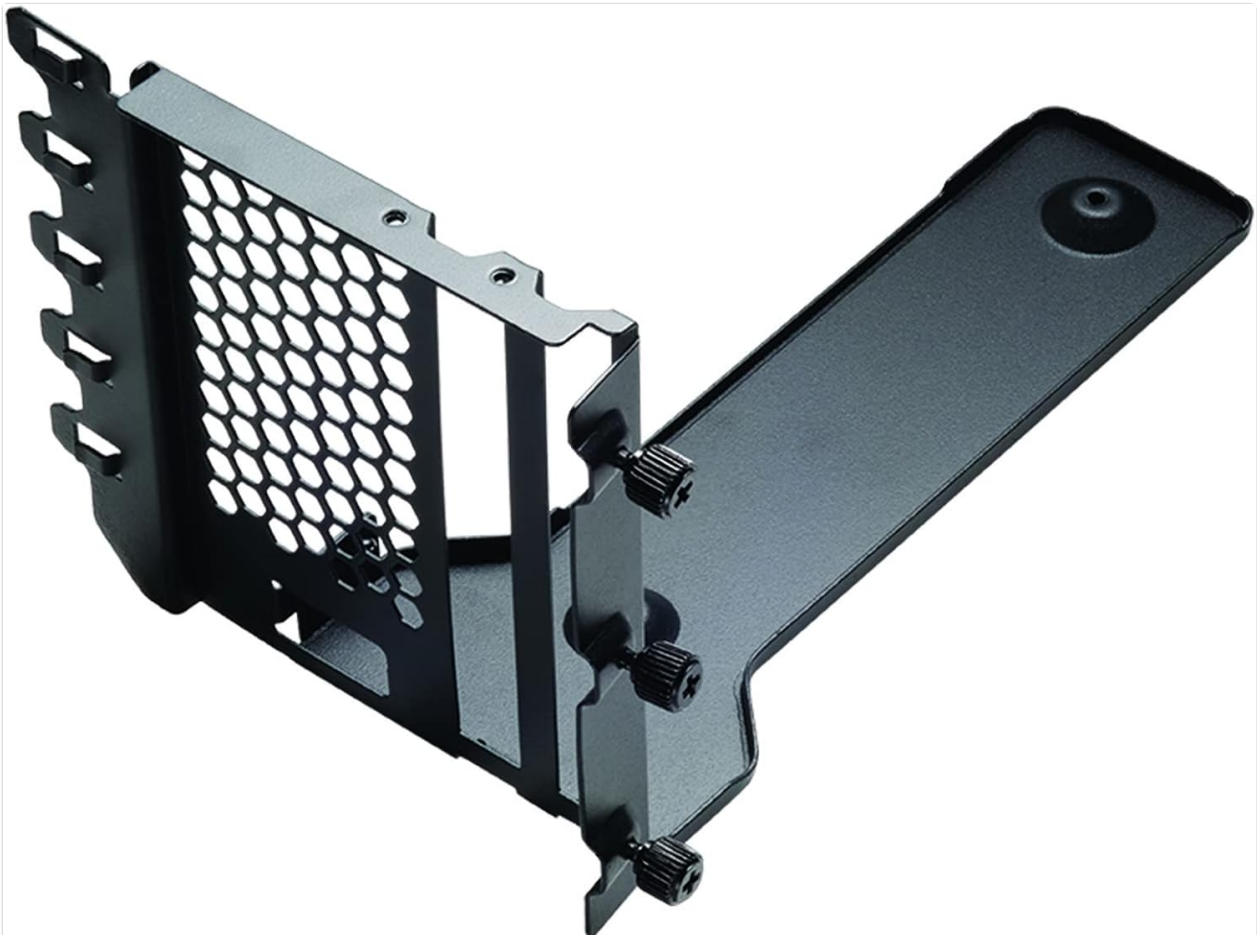

Figure 3.2: Rear view of the vertical GPU bracket, showing the mounting points for the graphics card and chassis.

Figure 3.3: The included rubber pads, which should be affixed to the bottom of the bracket for stability and to prevent GPU sag.

3.2. Installing into the Chassis

1. Ensure your chassis has an open PCI slot design (no bars crossing the PCIe slot area). Remove any necessary PCI slot covers from your chassis.

2. Carefully insert the assembled bracket and graphics card into the chassis. The riser cable's motherboard connector should align with an available PCI-E x16 slot on your motherboard.

3. Secure the bracket to the chassis using the provided thumbscrews or standard case screws. Ensure the graphics card is level and firmly seated.

4. Connect any necessary power cables to your graphics card.

For a visual guide on vertical GPU bracket installation, please refer to the video below. Note that while the video may feature a PCIe 5.0 bracket, the general installation principles are applicable to this PCIe 4.0 model.

Your browser does not support the video tag.

Video 3.1: General installation guide for a vertical GPU mount bracket. This video demonstrates the process of attaching a graphics card to a vertical bracket and installing it into a PC chassis. While the video shows a PCIe 5.0 bracket, the steps are similar for the Phanteks PCIe 4.0 bracket.

4. OPERATING INSTRUCTIONS

Once installed, your graphics card will operate normally through the PCI-E Gen4 x16 Riser Cable. The dual-layer design and individually shielded cables ensure high stability and signal integrity, allowing your Gen4 graphics card to run at full speed without performance compromise.

- Ensure all power connections to the graphics card are secure.
- Verify that the riser cable is fully seated in the motherboard's PCI-E x16 slot.
- For optimal performance, ensure adequate airflow within your chassis, especially around the vertically mounted graphics card.

5. MAINTENANCE

Regular maintenance can help ensure the longevity and performance of your vertical GPU bracket and riser cable:

- Periodically check all screw connections to ensure they remain tight.
- Inspect the riser cable for any signs of wear or damage.
- Keep the interior of your PC chassis clean and free of dust to maintain optimal airflow and cooling for your graphics card.

6. TROUBLESHOOTING

If you encounter issues after installing the vertical GPU bracket, consider the following troubleshooting steps:

- **No Display Output:** Double-check that the riser cable is fully seated in both the graphics card and the motherboard's PCI-E slot. Ensure all power cables to the graphics card are connected.
- **Reduced Performance:** Verify that your motherboard's BIOS/UEFI settings are configured to use PCI-E Gen4 for the slot where the riser cable is connected. Some motherboards may default to an older generation.
- **GPU Sag:** Ensure the rubber pads are correctly placed and that the bracket is securely fastened to the chassis.
- **Compatibility:** Confirm your chassis has an open PCI slot design and sufficient clearance for the vertically mounted GPU.

7. SPECIFICATIONS

Feature	Detail
Brand	Phanteks
Model Number	PH-VGPUKT4.0_03
PCI-E Generation	PCI-E 4.0 x16
Riser Cable Length	220mm
Required PCI Slots	7 (ATX chassis)
GPU Support	1-slot up to 4-slot GPUs
Chassis Compatibility	Chassis with open PCI slot design (e.g., Phanteks P300A/P360A/P400A)
Item Weight	1.08 pounds
Package Dimensions	9.57 x 6.46 x 6.42 inches

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Phanteks website or contact their customer service directly. Keep your proof of purchase for any warranty claims.