Dpofirs Dpofirs38yim5z1uf

Dpofirs External GPU Dock (Model Dpofirs38yim5z1uf) Instruction Manual

Introduction

This manual provides comprehensive instructions for the Dpofirs External GPU Dock, model Dpofirs38yim5z1uf. This external graphics card dock is designed to enhance your computer's graphics performance, particularly for systems utilizing JHL7440 series chips. It supports high-speed data transfer and offers flexible power supply options. Please read this manual thoroughly before installation and operation to ensure proper usage and optimal performance.



Figure 1: Assembled Dpofirs External GPU Dock with a graphics card.

Product Features

- **JHL7440 Chip Compatibility:** Designed for JHL7440 device chips, breaking the 22Gbps limitation of JHL6 series and the PCIE X1 neutering of JHL8 series.
- **Enhanced Graphics Performance:** Compatible with GPU docks, allowing connection of external graphics cards to improve gaming and computational performance.
- **Daisy Chain Support:** The Thunderbolt port supports daisy chain functionality for excellent performance, enabling 32Gbps data transfer with PCIE3.0X4.
- **Versatile Power Supply:** Supports ATX, SFX, and FLEX power supplies.
- **Power Delivery (PD) Charging:** Supports PD charging up to 60W.
- **Easy Installation:** Equipped with SFX and ATX brackets for straightforward installation of graphics cards, power supplies, and the docking station.

What's in the Box

Please verify that all components are present in the package:

- 1 x Graphics Card Docking Station
- 1 x ATX Bracket
- 1 x SFX Bracket
- 1 x Data Cable (Thunderbolt compatible)
- 2 x Screws
- 2 x Plastic Block
- 1 x Screwdriver
- 1 x User Manual

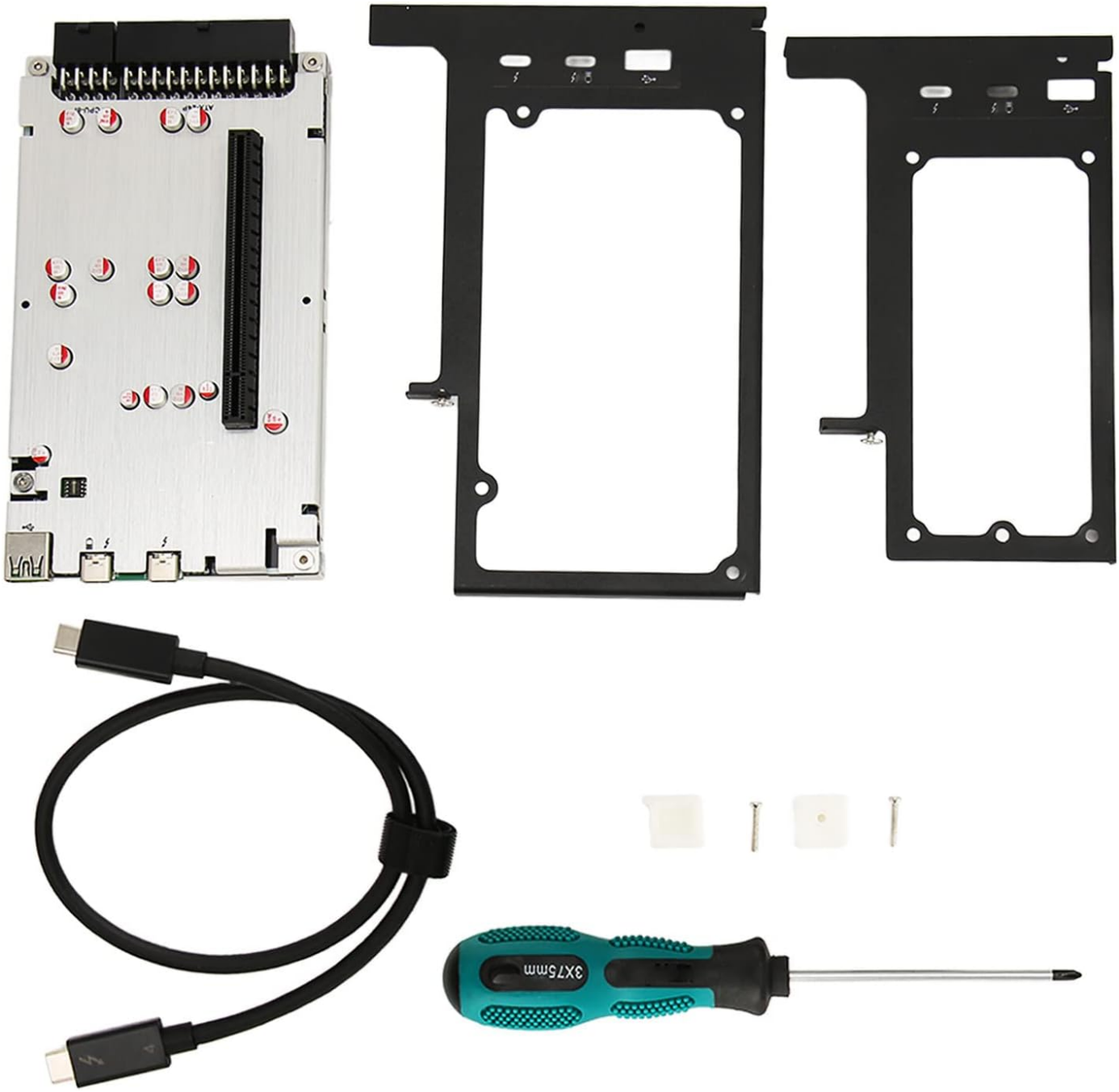


Figure 2: Package contents of the Dpofirs External GPU Dock.

Setup Instructions

Follow these steps to set up your Dpofirs External GPU Dock. For a visual guide, refer to the embedded video below.

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Video 1: TH3P4G3 Hardware Installation Guide. This video demonstrates the unpacking, bracket assembly, PSU installation, GPU installation, power connections, and initial PC setup.

1. Assembling the Bracket

1. Unpack the docking station and the appropriate bracket (ATX or SFX) for your power supply.
2. Align the bracket with the screw holes on the docking station.
3. Secure the bracket to the docking station using the provided screws and screwdriver.



Figure 3: External Video Card Bracket with labeled components.

2. Assembling the Power Supply Unit (PSU)

1. Place your chosen ATX or SFX power supply into the assembled bracket.
2. Secure the PSU to the bracket using screws if necessary, ensuring it is stable.

3. Connect the 24-pin ATX power cable from the PSU to the corresponding port on the docking station.
4. Connect the 8-pin CPU power cable from the PSU to the 8-pin port on the docking station.

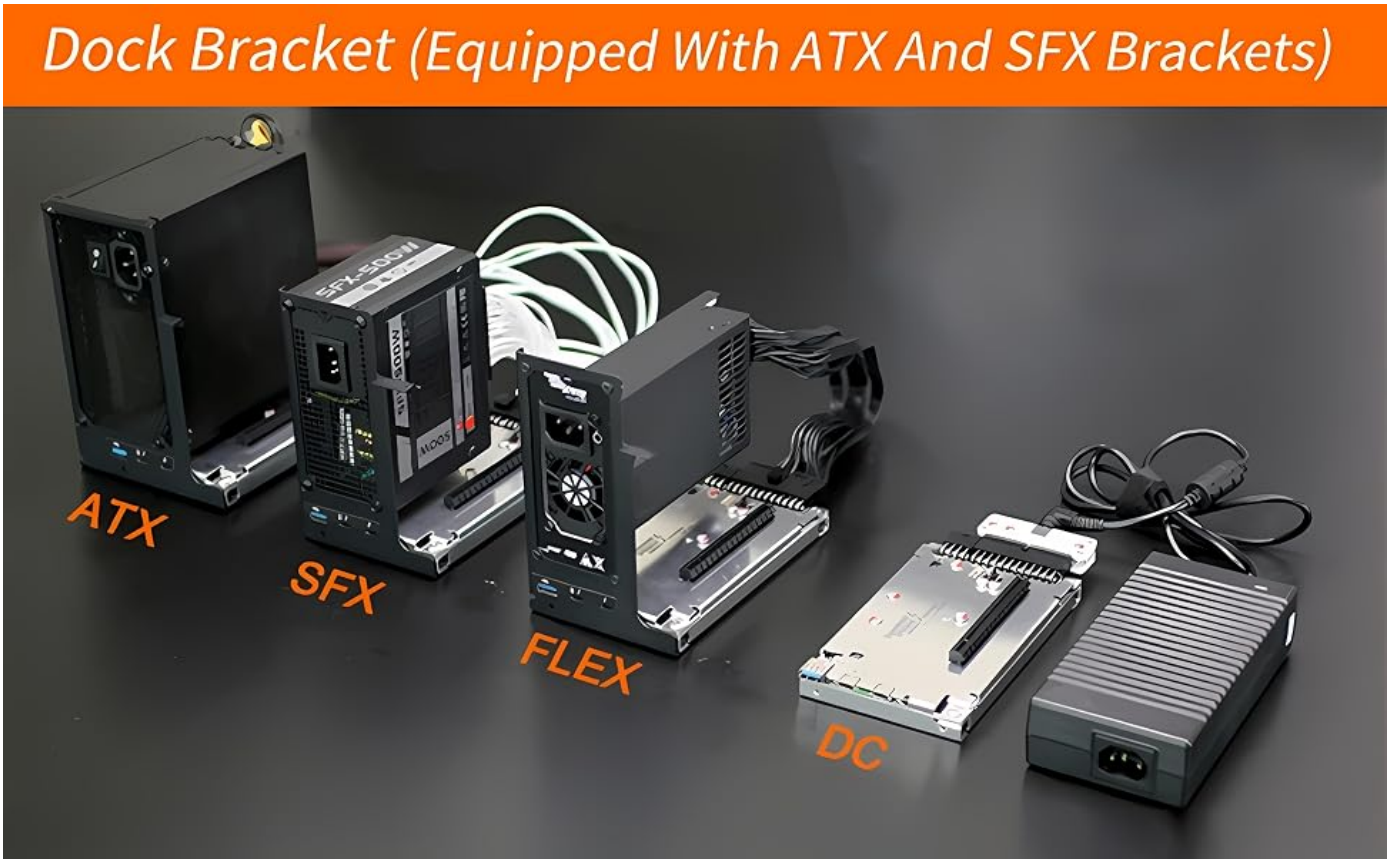


Figure 4: Dock brackets supporting various power supply types.

3. Assembling the Graphics Processing Unit (GPU)

1. Carefully insert your graphics card into the PCIe x16 slot on the docking station. Ensure it is fully seated.
2. Secure the graphics card to the bracket using screws.
3. Connect the necessary 6-pin or 8-pin PCIe power cables from the PSU to your graphics card. Ensure all power connections are secure.



Figure 5: Assembled GPU and PSU on the docking station.

4. Connecting AC Power

1. Connect the AC power cable to your PSU and then to a wall outlet.
2. Observe the blue indicator light on the dock, which signifies standby mode with low power consumption. Do not turn off the power during standby.

5. Thunderbolt Connection to PC

1. Connect the provided Thunderbolt data cable from the docking station to your PC's Thunderbolt port.
2. If using PD charging, ensure the connection is made to the appropriate port on the dock.

6. Identifying Docking Stations and GPU

1. Power on your PC. The system should automatically detect the Thunderbolt device.
2. Verify the detection of the Thunderbolt device and the external GPU in your operating system's device manager.

7. Installing the GPU Driver

1. Download the latest drivers for your specific graphics card from the manufacturer's official website (e.g., NVIDIA, AMD).
2. Install the drivers following the on-screen instructions.
3. Restart your PC if prompted.
4. After restarting, confirm that the GPU is recognized and functioning correctly in your system settings or graphics control panel.

Specifications

Feature	Detail

Product Dimensions	6.5 x 3.6 x 0.04 inches
Item Weight	1.12 pounds
Manufacturer	Dpofirs
Item Model Number	Dpofirs38yim5z1uf
Video Output Interface	USB3.0, Type C
Graphics Processor Manufacturer	Intel (*Note: This refers to the integrated graphics on some systems, not the external GPU.*)
Recommended Uses	Gaming

Important Notes and Usage Tips

- **Power Supply Requirements:** The TH3P4G3 series docking stations support FLEX (1U), SFX, and ATX power supplies. Choose a brand-quality power supply that meets the power requirements of your graphics card. If the Power Delivery (PD) function is used, please increase the power supply by approximately 100W.
- **Graphics Card Power:** For graphics cards, acquisition cards, network cards, sound cards, and other devices with power consumption not exceeding 75W, it is recommended to use a 12V 3A or above power adapter for power supply.
- **PCI-E Bandwidth:** Software or games have different requirements for PCI-E bandwidth, and their performance will vary. Low-end and mid-range graphics cards may show better performance due to their lower requirements for PCI-E bandwidth.
- **Monitor Connection:** Connecting the monitor directly to the output of the extended graphics card will generally yield better performance.
- **Professional Applications:** Equipment used in data acquisition, engineering debugging, or film and television entertainment industries generally requires PCI-E X1 or X4, for which this dock is fully competent.
- **Additional Purchases:** This product includes the docking station, a Thunderbolt-compatible data cable (50cm), and SFX/ATX power brackets. You will need to purchase a graphics card and a power supply separately.

Recommended Power Supply by Graphics Card Model

Graphics Card Model	Recommended Power Supply
GTX1050, RTX3050 or lower	300W or higher
GTX1060/70, RTX2060/70, RTX3060/70, etc	450W or higher
GTX 1080/RTX 2080/RTX 3080/RTX 4080 or higher	600W or higher
RX5500, RX6500 or lower	300W or higher
RX5600/700, RX6600/700, etc	450W or higher
RX6800/RX7900 or higher	600W or higher

Troubleshooting

If you encounter issues, consider the following:

- **No GPU Detection:** Ensure all power cables (24-pin, 8-pin CPU, PCIe to GPU) are securely connected. Verify the Thunderbolt cable is properly seated and your PC's Thunderbolt port is active. Check Device Manager for unrecognized devices.
- **Driver Issues:** Reinstall the latest GPU drivers from the manufacturer's website. Ensure no conflicting drivers are present.
- **Performance Problems:** Confirm your power supply meets the recommended wattage for your graphics card. Ensure your monitor is connected to the external GPU's output ports.
- **System Instability:** Check for adequate ventilation for both the GPU and PSU. Ensure all components are correctly installed and secured.

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Dpofirs website. Keep your proof of purchase for warranty claims.