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› PWAYTEK USB C Docking Station Dual Monitor, 12-in-1 (Model C12D01) - Instruction Manual

## PWAYTEK C12D01

# PWAYTEK USB C Docking Station Dual Monitor, 12-in-1

Model: C12D01

## 1. INTRODUCTION

The PWAYTEK 12-in-1 USB C Docking Station (Model C12D01) is designed to expand the connectivity of your USB-C enabled laptop, providing a comprehensive solution for multiple peripherals and external displays. This docking station allows for efficient data transfer, video output, network connectivity, and power delivery through a single USB-C connection.

## 2. PRODUCT OVERVIEW AND PORT LAYOUT

The PWAYTEK C12D01 docking station features a robust aluminum shell with a 15° bevel design and non-slip bottom for stable placement. It integrates 12 essential ports to enhance your workstation setup.



Image: Front and side view of the PWAYTEK 12-in-1 USB C Docking Station, highlighting all available ports and their functions.

### Port Specifications:

- **1x HDMI Port:** Supports up to 3840x2160@30Hz resolution.
- **1x DisplayPort (DP):** Supports up to 3840x2160@30Hz resolution.
- **1x VGA Port:** Supports up to 1920x1080@60Hz resolution.
- **2x USB 3.0 Ports:** Data transfer speeds up to 5.0 Gbps. Suitable for connecting external drives, keyboards, and mice.
- **1x USB 2.0 Port:** Data transfer speeds up to 480 Mbps. Ideal for connecting peripherals like mice or printers.
- **1x USB-C Data Port:** For connecting USB-C devices.
- **1x USB-C PD (Power Delivery) Port:** For charging your laptop, supports up to 87W power input. This port is for charging only.
- **1x 3.5mm Audio Jack:** For connecting headphones or speakers.
- **1x SD Card Slot:** Supports SD/SDHC/SDXC cards up to 512GB, with speeds up to 104 MB/s.
- **1x TF (Micro SD) Card Slot:** Supports Micro SD/SDHC/SDXC cards up to 512GB, with speeds up to 104 MB/s.
- **1x RJ45 Ethernet Port:** Provides stable wired network connectivity (10/100M Ethernet).

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your PWAYTEK USB C Docking Station:

1. **Verify Laptop Compatibility:** Ensure your laptop's USB-C port is a full-function Thunderbolt 3/4 or USB-C port that supports data transfer, power delivery, and DisplayPort Alt Mode. Refer to your laptop's specifications or manufacturer for confirmation.
2. **Connect Power (Optional but Recommended):** For stable operation and laptop charging, connect your laptop's original power adapter to the USB-C PD (Power Delivery) port on the docking station.
3. **Connect to Laptop:** Plug the integrated USB-C cable from the docking station into your laptop's compatible USB-C port.
4. **Connect Peripherals:** Connect your external monitors to the HDMI, DisplayPort, and/or VGA ports. Connect USB devices (keyboard, mouse, external drives) to the USB 3.0/2.0 ports. Insert SD/TF cards if needed. Connect an Ethernet cable to the RJ45 port for wired network access.
5. **System Recognition:** Your operating system should automatically detect and install the necessary drivers. No additional software installation is typically required (Plug and Play).

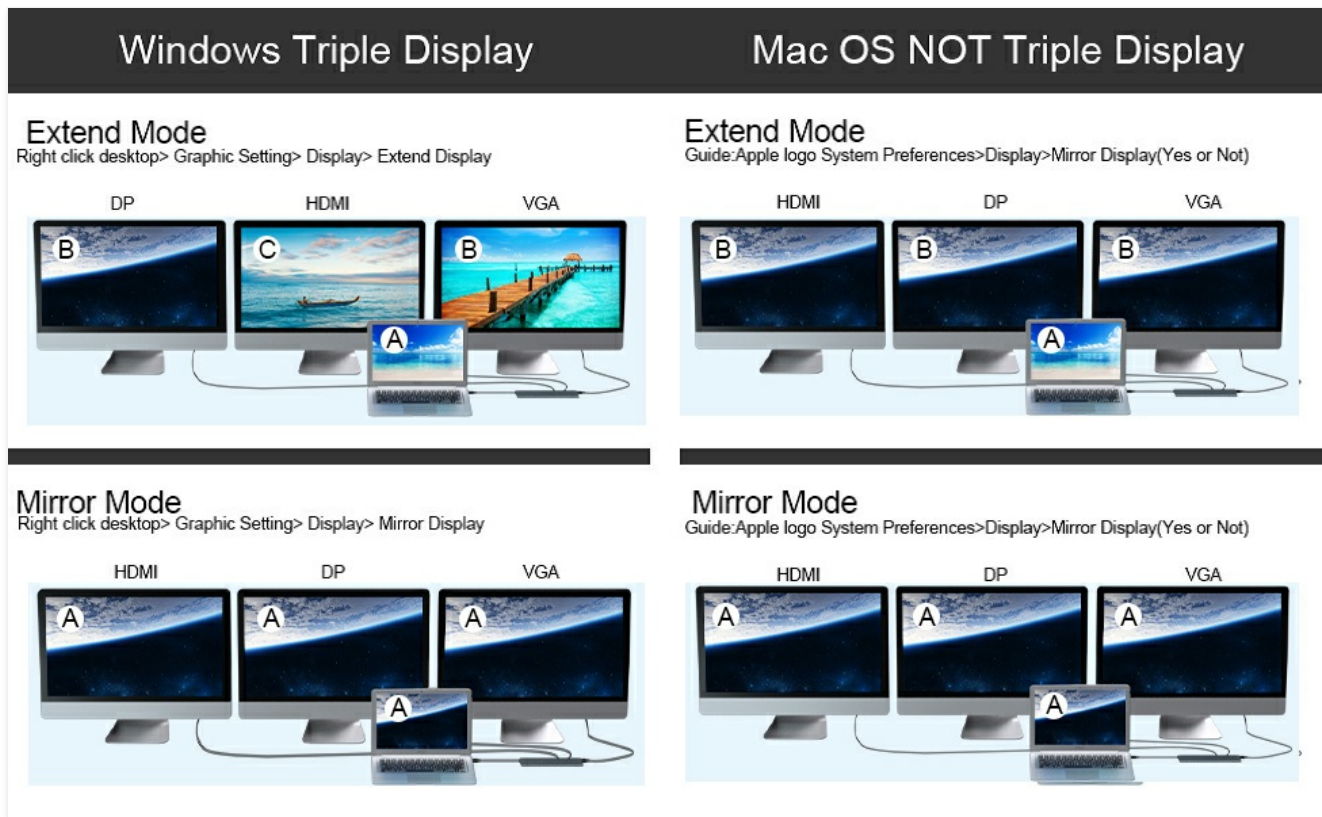


Image: A laptop connected to the docking station, which is then connected to various peripherals and external monitors, demonstrating a typical setup.

### 4. OPERATING INSTRUCTIONS

#### Display Configuration:

The docking station supports various display modes depending on your operating system.













#### Windows Systems:

Windows systems support both Extended Mode and Mirror Mode across multiple external monitors. You can


configure display settings by right-clicking on the desktop, selecting 'Display settings', and then choosing your preferred mode (Extend or Duplicate/Mirror).

**Note:** Check your laptop port before purchasing

Please confirm which functions of Built in USB-C port on your laptop Supports

	Thunderbolt 3			Only Data Transfer	
	Data+DisplayPort Alt Mode			Only Power Delivery	
	Data+Power Delivery + DisplayPort Alt Mode			Only Data Transfer	


**Function 1**  
Only for charging



PD

Only the USB C female charging port on the hub can work.


**Function 2**  
For data transfer



SD&TF USB Ethernet

Only the USB A, RJ45 Ethernet, SD/TF Card Reader on the hub can work.

**Function 3**  
Fully functional



Audio/Mic PD USB HDMI  
SD&TF VGA DP Ethernet

If you are not sure which functions of built in usb-c port on your laptop Supports, please feel free to confirm Us.

If you are not sure which functions of built-in usb-c port on your laptop Supports, please feel free to confirm us.

Image: Visual guide for Windows users demonstrating how to set up triple displays in both Extended and Mirror modes, with specific resolutions for HDMI, DP, and VGA.

### Mac OS Systems:

Due to macOS system limitations, when multiple external monitors are connected, all external displays will show the same mirrored image. Extended mode is supported for a single external display. To configure, go to 'Apple logo > System Preferences > Displays > Mirror Display (Yes or Not)'.

## 12 IN 1 Docking Station

  
USB 3.0  
5Gbps

  
USB-C 3.0  
5Gbps

  
SD/TF UP to  
512G speed  
to 104MB/s

  
RJ45 10/100M  
Ethernet

  
HDMI  
4K 30Hz

  
DP  
4K 30Hz

  
VGA  
1080P 60Hz

  
Audio 3.5mm  
Audio  
Headphone

  
PD USB-C  
Charge only



Image: Visual guide for Mac OS users illustrating display configurations, emphasizing that triple display extended mode is not supported, and external monitors will mirror each other.

## Data Transfer:

Utilize the USB 3.0 ports for high-speed data transfer with external hard drives or flash drives. The SD/TF card slots allow for quick access to memory card content.



Image: A close-up view of the docking station's USB 3.0 ports and SD/TF card slots, indicating their data transfer capabilities.

## Network Connectivity:

Connect an Ethernet cable to the RJ45 port for a stable and reliable wired internet connection, ideal for environments where Wi-Fi may be unstable or slow.



Image: A detailed view of the RJ45 Ethernet port on the docking station, showing an Ethernet cable plugged in, illustrating network connectivity.

## Power Delivery:

The dedicated USB-C PD port allows you to charge your laptop while using the docking station, ensuring your device remains powered during extended use.



Image: A close-up of the USB-C Power Delivery port, showing a power cable connected, indicating its function for charging the host device.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your docking station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not attempt to disassemble the unit.
- **Ventilation:** Ensure the docking station has adequate ventilation, especially when placed under a laptop, to prevent overheating.

## 6. TROUBLESHOOTING

If you encounter issues with your docking station, refer to the following common troubleshooting steps:

- **No Display Output:**
  - Ensure your laptop's USB-C port supports DisplayPort Alt Mode.
  - Check all cable connections (USB-C to laptop, display cables to monitors).
  - Verify monitor input sources are correctly selected.
  - Try connecting one monitor at a time to isolate the issue.
  - Restart your laptop.
- **No Power Delivery/Charging:**
  - Confirm your laptop's USB-C port supports Power Delivery.
  - Ensure your laptop's original power adapter is connected to the docking station's USB-C PD port.
  - Check the power adapter and cable for damage.
- **USB Devices Not Recognized:**
  - Reconnect the USB device.
  - Try a different USB port on the docking station.
  - Ensure the docking station is properly connected to your laptop.

- **Ethernet Connection Issues:**

- Check the Ethernet cable connection to both the docking station and your router/modem.
- Verify network settings on your laptop.

### Important Compatibility Note:

Before purchasing or if experiencing issues, always confirm that your laptop's USB-C port is a full-function port (Thunderbolt 3/4 or USB-C with Data+Power Delivery+DisplayPort Alt Mode). Ports that only support data transfer or power delivery will not provide full functionality with this docking station.

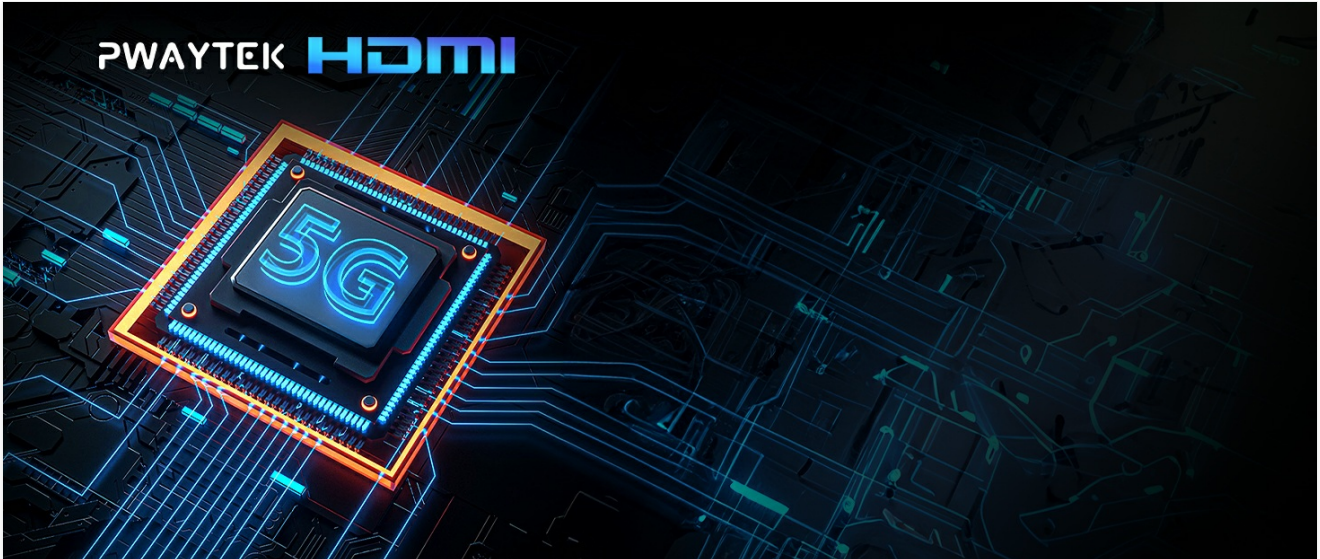


Image: A detailed diagram explaining the different types of USB-C ports (Thunderbolt 3, Data+DisplayPort Alt Mode, Data+Power Delivery+DisplayPort Alt Mode, Data Transfer Only, Power Delivery Only) and their compatibility with the docking station's functions.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	C12D01
Brand	PWAYTEK
Interface	USB-C (Host Connection)
Video Output	1x HDMI (up to 4K@30Hz), 1x DisplayPort (up to 4K@30Hz), 1x VGA (up to 1080P@60Hz)
USB Ports	2x USB 3.0 (up to 5Gbps), 1x USB 2.0 (up to 480Mbps), 1x USB-C (Data)
Card Reader	1x SD Slot, 1x TF Slot (supports up to 512GB, 104MB/s)
Ethernet	1x RJ45 (10/100M Adaptive)
Audio	1x 3.5mm Audio Jack
Power Delivery	1x USB-C PD (Charging Only, up to 87W)
Compatible OS	Windows, Mac OS, Chrome OS
Special Features	Triple Display (Windows), Space-saving design, Aluminum Shell, Non-slip bottom, 15° Bevel Design

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## 8. WARRANTY AND SUPPORT

The PWAYTEK USB C Docking Station (Model C12D01) comes with an **18-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance under normal use conditions.

For technical assistance, troubleshooting, or warranty claims, please contact PWAYTEK customer support. Our dedicated team is available to help resolve any issues you may encounter during the use of this docking station.

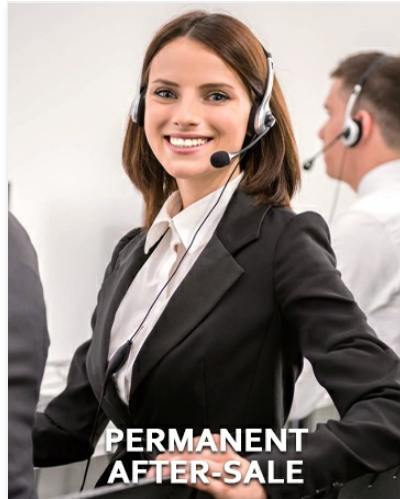


Image: A customer support representative ready to assist, symbolizing available support for the product.

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