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Tobenone UDS033

TOBENONE UDS033 18-in-1 USB-C Docking Station User Manual

Model: UDS033

1. Introduction

Thank you for choosing the TOBENONE UDS033 18-in-1 USB-C Docking Station. This powerful docking station is designed to expand the connectivity of your laptop, providing multiple ports for displays, peripherals, data transfer, and charging. It supports triple 4K displays for macOS and quadruple 4K displays for Windows, enhancing your productivity and workspace efficiency.

2. Package Contents

Please check the package for the following items:

- 1 x TOBENONE UDS033 18-in-1 Docking Station
- 1 x 120W Power Adapter
- 1 x 3.3ft USB-C to USB-C Cable
- 1 x User Manual



Figure 2.1: Items included in the TOBENONE UDS033 package.

3. Product Features and Port Layout

The TOBENONE UDS033 docking station offers a comprehensive set of ports to meet all your connectivity needs:

- **Front Ports:** Power Button, Power LED, Audio In/Out (3.5mm), USB-C 3.1 (5Gbps, 18W PD), 2x USB 3.2 (10Gbps), SD/TF Card Slots (UHS-I, 105MB/s).
- **Rear Ports:** 3x HDMI (up to 4K@60Hz), 3x DisplayPort (up to 4K@60Hz, DP3 supports 8K@30Hz), Gigabit Ethernet (RJ45), 2x USB 3.2 (10Gbps), DC Power Input (120W), Host USB-C (connect to laptop).



Figure 3.1: Detailed port layout of the TOBENONE UDS033 Docking Station.

4. Setup Guide

4.1. Driver Installation (Essential)

This docking station utilizes DisplayLink technology for extended multi-monitor support.**It is crucial to install the latest DisplayLink driver before using the docking station.**

1. Visit the official DisplayLink website or the TOBENONE support page.
2. Download the driver compatible with your laptop's operating system (macOS 11+, Windows 10/11, Chrome OS 100+, Ubuntu).
3. Follow the on-screen instructions to install the driver. A system restart may be required.

Note: *This docking station does not support Linux/Unix systems.*

4.2. Connecting the Docking Station

1. Connect the 120W power adapter to the DC Power Input port on the rear of the docking station, then plug it into a power outlet.
2. Connect one end of the provided USB-C to USB-C cable to the 'HOST' port on the rear of the docking station.
3. Connect the other end of the USB-C cable to a compatible USB-C, Thunderbolt 3/4/5, or USB4.0 port on your laptop.
4. Press the power button on the front of the docking station to turn it on. The power LED will illuminate.

4.3. Connecting Peripherals

Once the docking station is connected and powered on, you can connect your external devices:

- **Monitors:** Connect your monitors to the HDMI or DisplayPort outputs.
- **USB Devices:** Connect USB drives, keyboards, mice, printers, etc., to the available USB-A and USB-C ports.
- **Network:** Connect an Ethernet cable to the RJ45 port for a stable wired network connection.
- **Audio:** Connect headphones or speakers to the 3.5mm audio jack.
- **SD/TF Cards:** Insert your memory cards into the corresponding slots.

5. Operating Instructions

5.1. Display Configuration

The UDS033 supports various display configurations:

- **macOS:** Supports up to **triple 4K@60Hz** extended displays.
- **Windows:** Supports up to **quadruple 4K@60Hz** extended displays (if your laptop's USB-C port supports video output).
- **Single 8K Display:** DP3 or HDMI3 can support a single 8K@30Hz display if your host device supports 8K resolution (AMD+DP1.4).

After connecting your monitors, you may need to adjust display settings in your operating system (e.g., Extend, Duplicate, Resolution, Orientation).



Figure 5.1: Triple 4K extended display setup for macOS.

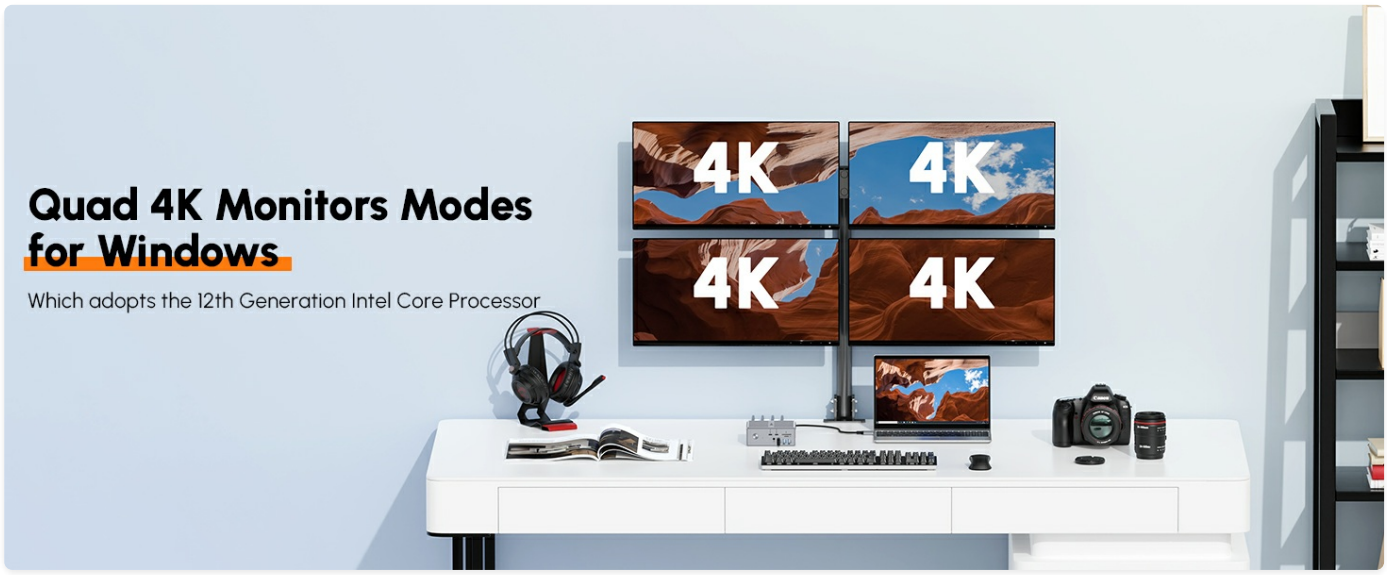


Figure 5.2: Quadruple 4K extended display setup for Windows.

5.2. Data Transfer

The docking station features high-speed USB ports:

- **USB 3.2 Ports (4x):** Up to 10Gbps data transfer speed.
- **USB-C 3.1 Port (1x):** Up to 5Gbps data transfer speed.
- **SD/TF Card Slots:** Up to 105MB/s (UHS-I).

These ports allow for rapid transfer of large files, videos, and other data.



Figure 5.3: High-speed USB ports for efficient data transfer.

5.3. Charging Capabilities

The included 120W power adapter provides ample power for the dock and connected devices:

- **Laptop Charging:** Delivers up to 100W Power Delivery (PD) to your connected laptop via the host USB-C cable.
- **Device Charging:** The front USB-C 3.1 port provides up to 18W PD for fast charging of smartphones or other compatible devices.



Figure 5.4: Power delivery capabilities with the 120W adapter.

6. Maintenance and Care

- Keep the docking station in a dry environment and avoid exposure to moisture or liquids.
- Do not expose the device to extreme temperatures.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the docking station to prevent overheating, especially during prolonged use with multiple connected devices and displays.
- Avoid dropping or subjecting the device to strong impacts.

7. Troubleshooting

If you encounter issues, please refer to the following common solutions:

- **No Display/Flickering:**
    - Ensure the DisplayLink driver is correctly installed and updated.
    - Check all cable connections (USB-C host, HDMI/DP cables).
    - Verify your laptop's USB-C port supports video output for certain display configurations (especially for Windows quadruple display).
    - Restart your laptop and the docking station.
    - If your laptop only supports DP1.2, the refresh rate of all video ports will be 30Hz.
    - The final resolution depends on your host devices (laptop, cable, monitor). For example, if your host only supports 2K@60Hz, the video output will be 2K@60Hz.
- **No Power/Charging:**
    - Ensure the 120W power adapter is securely connected to the dock and a working power outlet.
    - Check the host USB-C connection to your laptop.
- **USB Devices Not Working:**
    - Try connecting the device to a different USB port on the dock or directly to your laptop to isolate the issue.
    - Ensure the docking station is powered on.

- **macOS Specific Tips:**
  - The DisplayLink driver requires screen recording permission to capture pixels and send them to external monitors. Go to Apple Menu -> System Preferences -> Security & Privacy -> Privacy tab -> Screen Recording and check 'DisplayLink Manager'.
  - Due to HDCP (High-bandwidth Digital Content Protection), you may not be able to watch paid streaming services (Netflix, Prime, iTunes, Hulu) via the dock.
  - Video Port Note: HDMI 3 and DP 3 cannot work at the same time.
- **Monitor Rotation:** All video ports support landscape mode. Driver-based video ports are not able to change monitor orientation from landscape to portrait. Only plug-and-play video ports (HDMI 3 and DP 3) can change monitor orientation.

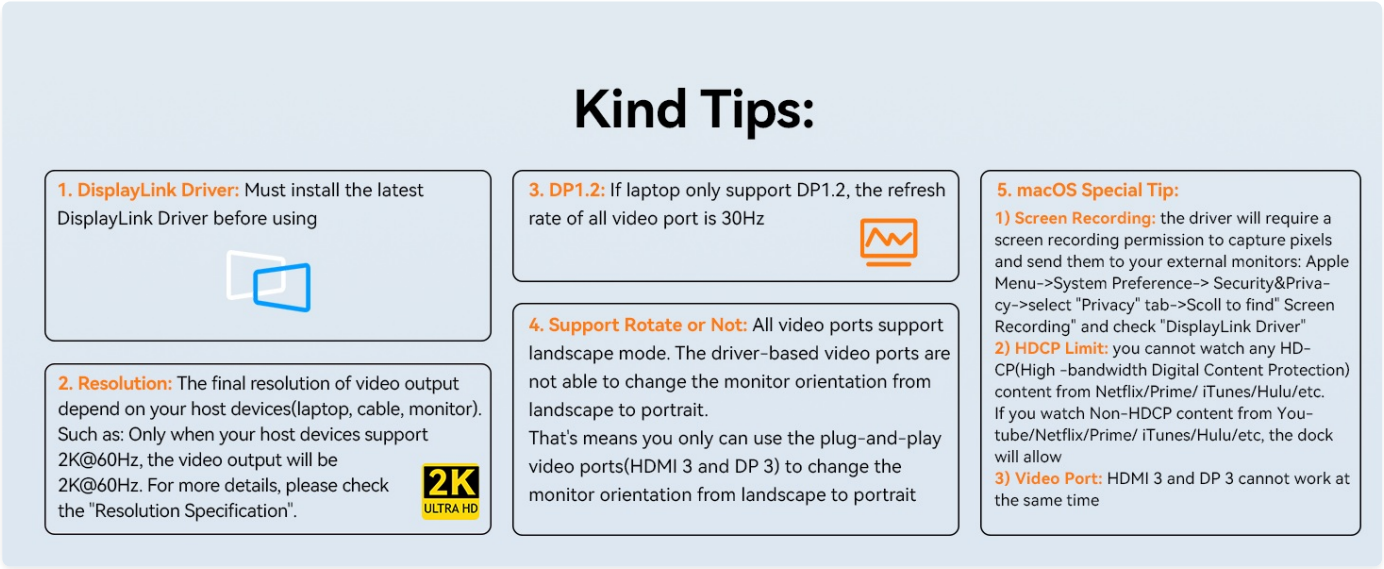


Figure 7.1: Important tips and notes for optimal use.

8. Specifications

Feature	Specification
Model Number	UDS033 (K1211-200600D)
Brand	Tobenone
Color	Silver
Hardware Interface	USB 3.0 Type-C
Total Ports	18
USB Ports	4x USB 3.2 (10Gbps), 1x USB-C 3.1 (5Gbps)
HDMI Ports	3 (up to 4K@60Hz)
DisplayPort Ports	3 (up to 4K@60Hz, DP3 supports 8K@30Hz)
Ethernet	Gigabit RJ45 (10/100/1000Mbps)

Feature	Specification
Card Reader	SD/TF (UHS-I, 105MB/s)
Audio	3.5mm Audio In/Out
Power Input	120W (120 Volts)
Power Output (PD)	Up to 100W to laptop, 18W to front USB-C
Compatible Devices	MacBook Pro/Air (Thunderbolt 5/4/3, USB4.0, USB-C) with macOS 10.14+, Windows 10/11, ChromeOS 100+
Dimensions (L x W x H)	109 x 108 x 38 mm (4.3 x 4.3 x 1.5 inches)
Item Weight	17.6 Ounces (approx. 500g)



Figure 8.1: Broad compatibility with macOS and Windows devices.

9. Warranty and Support

TOBENONE provides specialized lifetime technical support for this product. If you encounter any issues or have questions regarding setup, troubleshooting, or long-term use, please do not hesitate to contact our support team. Our engineers are available to provide prompt assistance to ensure your productivity remains efficient.
For support, please visit the official TOBENONE website or refer to the contact information provided in your product packaging.

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