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Lemorele TC97

Lemorele USB C Dual Monitor Docking Station

Model: TC97

Introduction

This Lemorele 12-in-1 USB C Dual Monitor Docking Station is designed to expand the connectivity of your USB-C or Thunderbolt 3 enabled laptop. It provides a comprehensive solution for connecting multiple displays, USB peripherals, and network devices, while also offering power delivery to your laptop.
The docking station is a plug-and-play device, requiring no driver installation for basic functionality, making it convenient for daily use.



Image: The Lemorele 12-in-1 USB C Docking Station, showcasing its compact design and various connected cables and memory cards, illustrating its multi-functionality.

Product Features

- **12-in-1 Connectivity:** Expands a single USB-C/Thunderbolt 3 port into 12 ports.
- **Video Outputs:** Two 4K HDMI ports and one 1080P VGA port for multi-monitor setups.
- **High-Speed USB:** Three USB 3.1 ports (10Gbps) and one USB 2.0 port for peripherals.
- **Card Reader:** SD/TF card reader slot for data transfer.
- **Audio Jack:** 3.5mm microphone/audio jack.
- **Power Delivery:** USB-C Power Delivery up to 100W input (87W safe output) for laptop charging.
- **USB-C Data:** Additional USB-C data transfer port (10Gbps).

- **Plug and Play:** No driver installation required.



Image: A detailed diagram illustrating all 12 ports of the USB C hub, including SD/TF, USB 3.1, USB C Power, VGA, Audio 3.5mm, HDMI x2, and USB 2.0.

Setup

1. **Verify Laptop Compatibility:** Ensure your laptop's USB-C port supports DisplayPort Alternate Mode (Alt Mode) for video output. Laptops without Alt Mode support cannot utilize the HDMI/VGA ports.
2. **Connect to Laptop:** Plug the integrated USB-C cable of the docking station into an available USB-C/Thunderbolt 3 port on your laptop.
3. **Connect Power Adapter (Optional but Recommended):** For optimal performance and laptop charging, connect your laptop's original power adapter (or a compatible 65W+ USB-C PD adapter, not included) to the USB-C Power Delivery (PD) port on the docking station. Ensure your laptop's USB-C port supports power delivery protocol.
4. **Connect Displays:**
   - Connect HDMI cables from your monitors to the 4K HDMI ports on the docking station.
   - Connect a VGA cable from your monitor to the 1080P VGA port on the docking station.
5. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives, etc.) into the USB 3.1 and USB 2.0 ports. Insert SD or TF cards into the respective slots for data access.
6. **Connect Audio:** If desired, connect headphones or speakers to the 3.5mm audio jack.

The docking station is designed for plug-and-play operation, and your operating system should automatically detect and configure connected devices.

Operating Instructions

Display Modes

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

Windows Laptops:

For Windows laptops, you can extend or mirror your display across multiple monitors. Under Extended Mode, you can enjoy up to three external displays (2x HDMI, 1x VGA) in addition to your laptop's screen. Note that when using 2 HDMI, VGA, and the laptop screen simultaneously, one screen on the Windows laptop may go black.

- **Single HDMI:** Max 4K@30Hz.
- **Dual HDMI:** Max 4K@30Hz for each.
- **HDMI + VGA:** HDMI Max 4K@30Hz, VGA Max 1080P@60Hz.
- **Triple Display (2x HDMI + 1x VGA):** HDMI Max 4K@30Hz, VGA Max 1080P@60Hz.

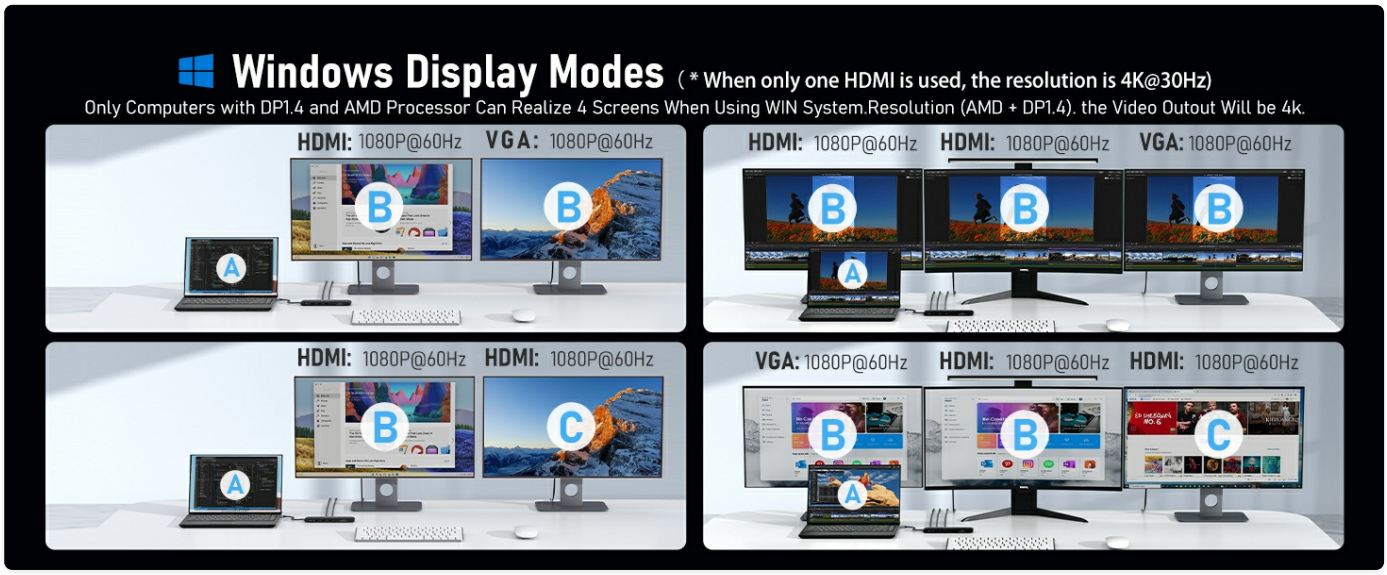


Image: Visual representation of various display configurations possible with Windows laptops, including single, dual, and triple monitor setups using HDMI and VGA ports.

MacOS Laptops:

Due to limitations of the Apple Mac OS system, this docking station supports only **Mirror Mode (SST Mode)** for MacOS laptops. It **DOES NOT SUPPORT EXTEND MODE (MST mode)**. In mirror mode, all connected screens will display the same image (A-AAA). For extended mode on MacOS, external monitors will show the same image (A-BBB).



Image: Visual representation of display configurations for MacOS laptops, highlighting the mirror mode functionality with HDMI and VGA outputs.

Data Transfer

Utilize the USB 3.1 ports for high-speed data transfer up to 10Gbps, ideal for external hard drives and SSDs. The USB 2.0 port is suitable for connecting devices like keyboards, mice, and printers. The SD/TF card slots allow for simultaneous reading and writing of memory cards.



Image: Illustration demonstrating ultra-fast file transfer speeds of 10Gbps using the USB 3.1 ports on the docking station.



Image: A close-up view of the SD and TF card slots, indicating that both can be used simultaneously for data transfer.

Power Delivery (PD)

The USB-C PD port supports up to 100W input and 87W safe output to charge your laptop. This allows you to power your laptop and connected peripherals simultaneously through a single connection. Ensure your laptop's USB-C port supports the Power Delivery protocol.



Image: A laptop connected to the docking station, which is then connected to a power adapter, illustrating the 100W Power Delivery feature for fast charging.

Specifications

Feature	Description
Model Number	TC97
Product Dimensions	6.77 x 1.65 x 0.63 inches
Item Weight	3.53 ounces
HDMI Output	2 x 4K@30Hz (Max)
VGA Output	1 x 1080P@60Hz (Max)
USB 3.1 Ports	3 x 10Gbps
USB 2.0 Ports	1 x Standard USB 2.0
USB-C Data Port	1 x 10Gbps
Power Delivery (PD)	Up to 100W Input, 87W Output
Card Reader	SD/TF (Simultaneous Read/Write)
Audio Jack	3.5mm Microphone/Audio
Compatible Devices	Most Thunderbolt 3 devices (Macbook Pro/Air, Dell XPS13/15, Lenovo Yoga 720/910/920/930, Microsoft Surface Book 2/ Surface Go/ Surface Laptop 3, Dell Latitude 13 7000/Latitude 13 E7370 etc.)

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the surface 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 or modify the docking station.
- **Cable Care:** Ensure the integrated USB-C cable is not bent sharply or subjected to excessive strain, which could damage internal wires.

Troubleshooting

- **No Display Output:**
  - Ensure your laptop's USB-C port supports DisplayPort Alternate Mode.
  - Check all cable connections (USB-C from dock to laptop, HDMI/VGA from dock to monitor).

- Try restarting your laptop.
- Verify monitor input settings are correctly selected (HDMI 1, HDMI 2, VGA).
- For Windows, press Windows Key + P and select a display mode (Extend, Duplicate, Second screen only).
- For MacOS, remember only Mirror Mode (SST) is supported for multiple external displays.

- **USB Devices Not Working:**
  - Ensure the docking station is securely connected to your laptop.
  - Try connecting the USB device directly to your laptop to confirm it functions.
  - Disconnect and reconnect the docking station.
  - If connecting high-power USB devices, ensure the docking station is powered via its PD port.
- **Laptop Not Charging:**
  - Confirm your laptop's USB-C port supports Power Delivery.
  - Ensure you are using a compatible power adapter (65W or higher recommended) connected to the docking station's PD port.
  - Check the power adapter and cable for damage.
- **Slow Data Transfer Speed:**
  - Ensure you are using the USB 3.1 ports for high-speed devices.
  - Verify your connected device (e.g., external SSD) supports USB 3.1 speeds.

Warranty and Support

For warranty information, technical support, or any inquiries regarding your Lemorele USB C Dual Monitor Docking Station, please visit the official Lemorele website or contact their customer service directly. Refer to the product packaging or the official brand store for the most up-to-date contact details and warranty terms.
You can also visit the Lemorele Store on Amazon for additional resources and support.

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