Lemorele TC44

Lemorele TC44 6-in-1 USB C Hub User Manual

Model: TC44

1. INTRODUCTION

Thank you for choosing the Lemorele TC44 6-in-1 USB C Hub. This multiport adapter is designed to expand the connectivity of your USB-C enabled devices, offering a versatile solution for various peripherals and display needs. It integrates essential ports including 4K HDMI, Gigabit Ethernet, USB-A 3.0, USB-C 3.0 data, and 100W USB-C Power Delivery.

2. KEY FEATURES

- **6-in-1 Connectivity:** Includes 1x 4K HDMI@60Hz port, 2x USB-A 3.0 ports for data transmission, 1x RJ45 1000Mbps Ethernet port, 1x USB-C 100W Power Delivery (PD) charging port, and 1x USB-C 3.0 data port.

- **4K UHD Video Output:** Supports duplicating or extending your screen with HDMI, streaming 4K UHD video at 60Hz to compatible displays. Resolution depends on the original video pixel and connected display capabilities.

- **High-Speed Data Transfer:** Features 2x USB-A 3.0 ports and 1x USB-C 3.0 data port, offering data transfer speeds up to 5Gbps, significantly faster than USB 2.0. Compatible with mobile hard drives, cameras, mice, keyboards, printers, and scanners.

- **Gigabit Ethernet:** Provides a stable and fast wired network connection with automatic support for 10/100/1000M Ethernet.

- **100W Power Delivery:** The USB-C PD port supports fast charging for laptops, mobile phones, and tablets, with a maximum power input of 100W. It supports one-way charging only and does not transmit data, audio, or video.

- **Wide Compatibility:** Compatible with most Type-C (USB-C) devices that support data, charging, and video output via the Type-C port (DP Alt Mode), including MacBook Pro, MacBook Air, iPad Pro, and Chromebooks. Supports Windows, Android, Mac OS, Linux, and Chromebook OS.

- **Efficient Heat Dissipation:** Constructed from aluminum alloy with a dual anodic oxidation process to ensure effective heat dissipation and prevent overheating.

3. PORTS AND CONNECTIONS

The Lemorele TC44 hub provides the following ports:

- **1x USB-C Host Connector:** Connects to your device's USB-C port.

- **1x RJ45 Gigabit Ethernet Port:** For wired network connection.

- **1x USB-C Power Delivery (PD) Port:** For charging your host device (up to 100W input).

- **1x HDMI Port:** For video output (up to 4K@60Hz).

- **2x USB-A 3.0 Ports:** For connecting USB-A peripherals and data transfer (up to 5Gbps).

- **1x USB-C 3.0 Data Port:** For connecting USB-C peripherals and data transfer (up to 5Gbps).

Image: Overview of the Lemorele TC44 6-in-1 USB C Hub, highlighting its various ports including Gigabit Ethernet, USB-C

4. Setup Instructions

1. **Connect the Hub to Your Device:** Plug the integrated USB-C host connector cable from the Lemorele TC44 hub into an available USB-C port on your laptop, tablet, or smartphone.

2. **Power Connection (Optional):** If your device requires charging or if you are connecting power-intensive peripherals, connect your USB-C power adapter to the USB-C PD (Power Delivery) port on the hub.

3. **Connect Peripherals:** Plug your desired peripherals (e.g., external monitor, USB drives, mouse, keyboard, Ethernet cable) into the corresponding ports on the hub.

5. Operating Instructions

5.1. Video Output via HDMI

Connect an HDMI cable from your external display to the HDMI port on the hub. Ensure your device's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode) for video output. The hub supports resolutions up to 4K at 60Hz. Adjust display settings on your host device as needed for mirroring or extending your screen.

Image: A laptop connected to a large external monitor through the USB C hub, demonstrating 4K 60Hz video output for an immersive viewing experience.

5.2. Data Transfer

Use the 2x USB-A 3.0 ports or the 1x USB-C 3.0 data port to connect external storage devices, keyboards, mice, or other USB peripherals. Data transfer speeds can reach up to 5Gbps.

Image: Visual representation of high-speed data transfer, showing 5Gbps for USB 3.0 compared to 480Mbps for USB 2.0, facilitating quick file transfers.

5.3. Network Connection

Plug an Ethernet cable into the RJ45 Gigabit Ethernet port for a stable and fast wired internet connection. For Windows 8 and older versions, you may need to click a pop-up icon to install the driver upon first connection.

Image: A user connected to a TV via the hub's Ethernet port, enjoying a stable and fast wired network connection for online activities.

5.4. Power Delivery (Charging)

Connect your device's original USB-C power adapter to the USB-C PD port on the hub. This allows the hub to pass through up to 100W of power to charge your host device while using other hub functions. The actual output power to your device depends on your computer's rated power and the hub's internal power consumption (typically around 20W).

Image: A laptop receiving power through the hub's 100W PD port, illustrating efficient charging while connected to the hub.

6. COMPATIBILITY

The Lemorele TC44 USB C Hub is widely compatible with devices supporting USB-C with DisplayPort Alternate Mode (DP Alt Mode) for video output, and Power Delivery for charging.

- **Operating Systems:** Windows, Android, Mac OS, Linux, Chromebook OS.
- **Compatible Devices:** MacBook Pro, MacBook Air, iPad Pro, Dell XPS, ThinkPad, Surface Pro, and other Type-C enabled laptops, tablets, and smartphones.
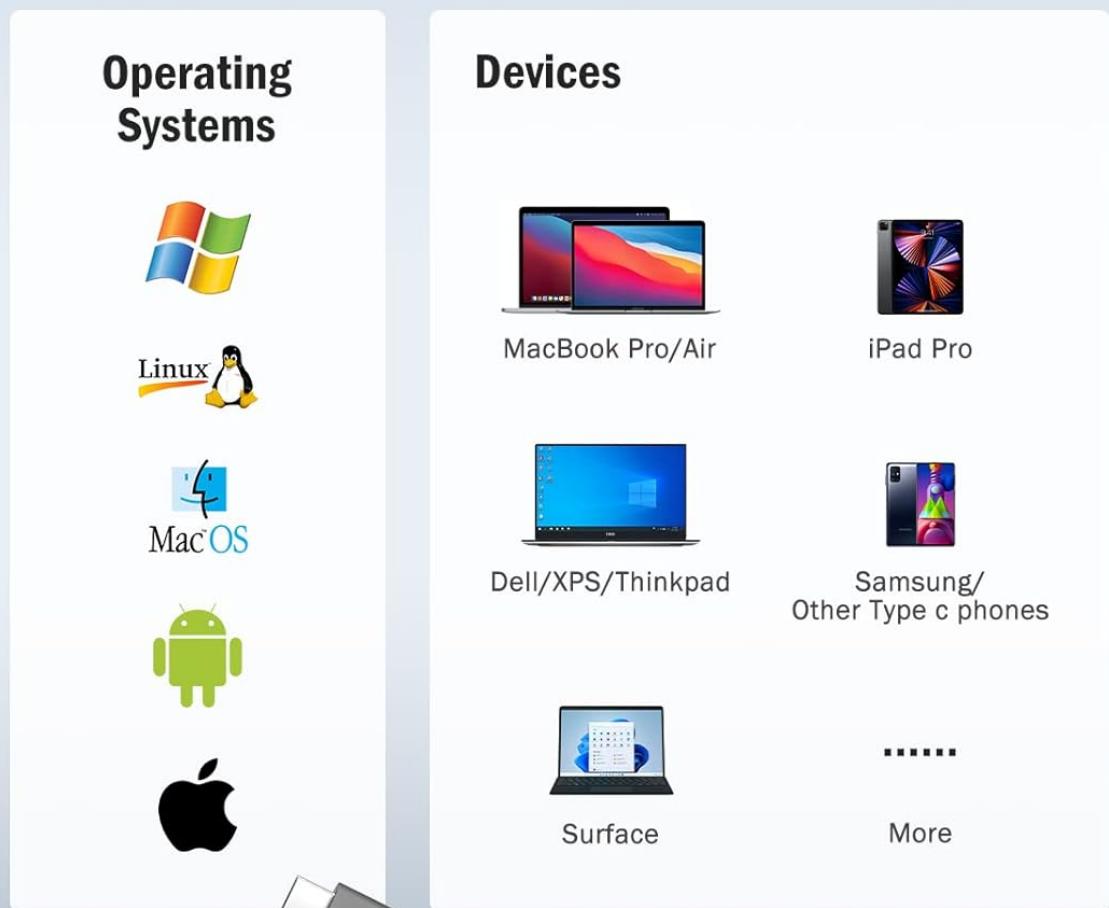
Image: An infographic detailing the hub's compatibility with major operating systems like Windows, Linux, macOS, Android, and various devices including MacBooks, iPad Pro, Dell/XPS/ThinkPad, and Surface.

7. HEAT DISSIPATION

The Lemorele TC44 hub is designed with an aluminum alloy casing and a dual anodic oxidation process, which contributes to excellent heat dissipation. This design helps to manage the heat generated during operation, ensuring stable performance and longevity of the device.

Super Heat Dissipation
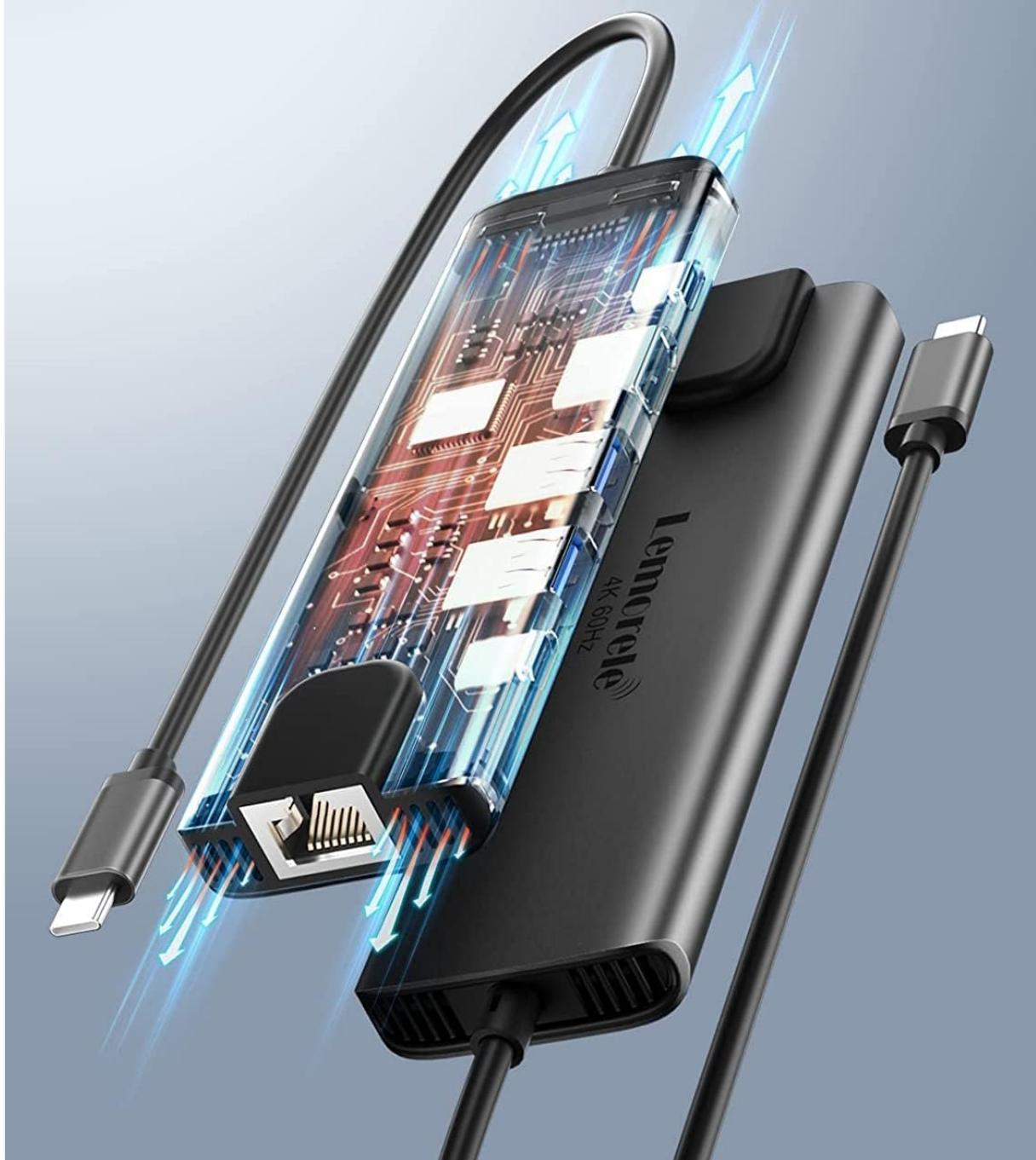
Image: A cutaway diagram illustrating the internal structure and airflow for super heat dissipation through dual side vents in the hub's aluminum casing.

8. SPECIFICATIONS

Feature	Detail
Model Name	TC44
Connector Type	USB C, HDMI, USB A, RJ45

Cable Type	USB
HDMI Output	4K @ 60Hz
USB-A 3.0 Ports	2 (5Gbps Data Transfer)
USB-C 3.0 Data Port	1 (5Gbps Data Transfer)
USB-C PD Charging Port	1 (Up to 100W Input)
Ethernet Port	RJ45 Gigabit (10/100/1000M)
Material	Aluminum Alloy
Color	Grey
Product Dimensions	5.47 x 0.43 x 1.57 inches
Item Weight	3.2 ounces

9. TROUBLESHOOTING

- **No Display Output:** Ensure your device's USB-C port supports DisplayPort Alternate Mode. Check all cable connections (USB-C to hub, HDMI to monitor). Try a different HDMI cable or monitor if possible.

- **Slow Data Transfer:** Verify that your connected peripherals and cables are USB 3.0 compatible. Ensure the hub is connected directly to your device and not through another adapter.

- **No Charging:** Confirm your USB-C power adapter is connected to the hub's PD port and is functioning correctly. Ensure your host device supports USB-C Power Delivery.

- **Ethernet Not Working:** Check the Ethernet cable connection. For Windows 8 and older, ensure the necessary driver is installed (a pop-up usually prompts installation).

- **Overheating:** While the hub is designed for efficient heat dissipation, prolonged heavy use with multiple power-intensive devices may cause it to warm up. Ensure adequate ventilation around the hub. If it becomes excessively hot, disconnect some peripherals or reduce usage.

10. WARRANTY AND SUPPORT

The Lemorele TC44 USB C Hub typically comes with a one-year warranty. For technical support, warranty claims, or any product-related inquiries, please contact Lemorele customer service through the retailer's platform or the official Lemorele website.

11. PRODUCT OVERVIEW VIDEO

Video: An official overview of the Lemorele USB C Hub 4K 60Hz - 6 In 1, demonstrating its features and functionality.