LENTION D54

LENTION D54 11-in-1 USB C Docking Station User Manual

Model: D54

1. Introduction

The LENTION D54 11-in-1 USB C Docking Station is designed to expand the connectivity of your USB-C enabled laptop, tablet, or smartphone. This docking station provides multiple ports for video output, data transfer, network connectivity, and power delivery, enhancing your productivity and simplifying your workspace.

2. Product Features

- **11-in-1 Connectivity:** Offers a comprehensive range of ports including HDMI, Ethernet, USB 3.0, SD/TF card readers, and Power Delivery.
- **4K@60Hz HDMI Output:** Supports high-resolution video output for external displays, providing crisp details and fluid motion.
- **100W Power Delivery:** Allows charging of your host device up to 85W while using other ports, requiring a separate PD charger.
- **Gigabit Ethernet:** Provides a stable and fast wired network connection up to 1000Mbps.
- **High-Speed USB 3.0 Ports:** Five USB 3.0 ports offer data transfer speeds up to 5Gbps.
- **Dual SD/TF Card Readers:** Supports simultaneous reading and writing for SD and Micro SD cards at speeds up to 104MB/s.
- **3.5mm Audio Jack:** Integrated audio output and microphone input for headsets.
- **Detachable Cable & Vertical Design:** Features a 3.3ft detachable USB-C cable for flexible placement and a vertical stand for improved heat dissipation and desk organization.
- **Stable Driver 3.0 Technology:** Ensures reliable connections, prevents overheating, and delivers stable power across all ports.

3. Package Contents

The LENTION D54 11-in-1 USB C Docking Station package includes:

- LENTION D54 11-in-1 USB C Docking Station
- Detachable Vertical Stand
- USB-C to USB-C Cable (3.3ft)
- User Manual



Figure 1: LENTION D54 Docking Station package contents.

4. Port Layout

Familiarize yourself with the various ports on your LENTION D54 Docking Station:

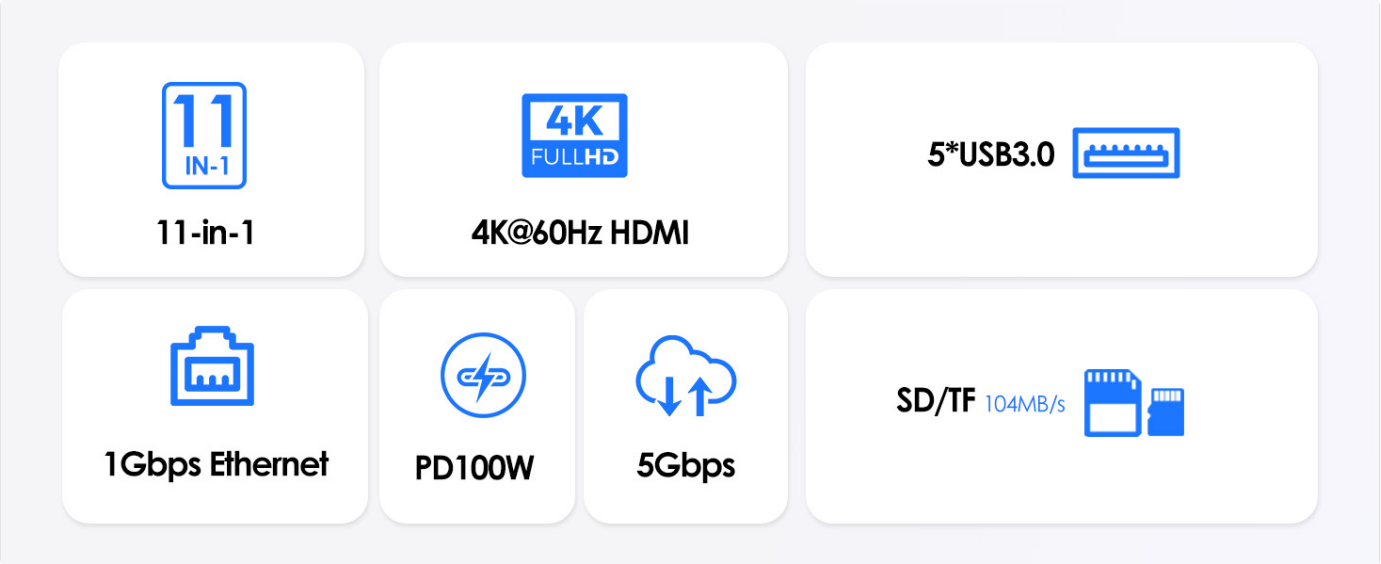


Figure 2: LENTION D54 Docking Station port layout.

- **USB-C Power Delivery (PD):** Connect your laptop's power adapter here for up to 100W input (85W output to laptop).
- **Gigabit Ethernet (RJ45):** For wired network connection (10/100/1000Mbps).
- **HDMI:** Connect to an external display for 4K@60Hz video output.
- **USB 3.0 (x5):** Connect USB devices such as keyboards, mice, external drives, etc.
- **USB-C Connection to Host:** Connect the included USB-C cable to your laptop's full-function USB-C or Thunderbolt port.
- **TF Slot (Micro SD):** For Micro SD card data transfer (104MB/s).
- **SD Slot:** For SD card data transfer (104MB/s).
- **3.5mm Audio:** For audio output and microphone input.
- **Power Light:** Indicates power status.

5. Setup Instructions

1. **Place the Docking Station:** Insert the LENTION D54 into its detachable vertical stand for optimal heat dissipation and desk organization. The stand allows for vertical or horizontal placement.
2. **Connect to Host Device:** Use the provided USB-C to USB-C cable to connect the docking station's "USB-C Connection to Host" port to a full-function USB-C or Thunderbolt 3/4 port on your laptop, tablet, or smartphone.
3. **Connect Power (Optional but Recommended):** For stable performance and to charge your host device, connect your original USB-C PD power adapter to the docking station's "USB-C Power Delivery" port. A 100W PD charger is recommended for maximum charging speed.
4. **Connect Peripherals:**
    - **HDMI Display:** Connect an HDMI cable from the docking station's HDMI port to your external monitor.
    - **Ethernet:** Connect an Ethernet cable to the Gigabit Ethernet port for a wired network connection.
    - **USB Devices:** Plug in your USB peripherals (keyboard, mouse, external hard drives, USB flash drives) into the available USB 3.0 ports.
    - **SD/TF Cards:** Insert your SD or Micro SD cards into the respective slots.

- **Audio Devices:** Connect headphones or speakers to the 3.5mm audio jack.

5. **Verify Connection:** The power light on the docking station will illuminate, and your host device should recognize the connected peripherals and external display automatically. No drivers are typically required for most operating systems.



Figure 3: Workspace organization with the LENTION D54 Docking Station.

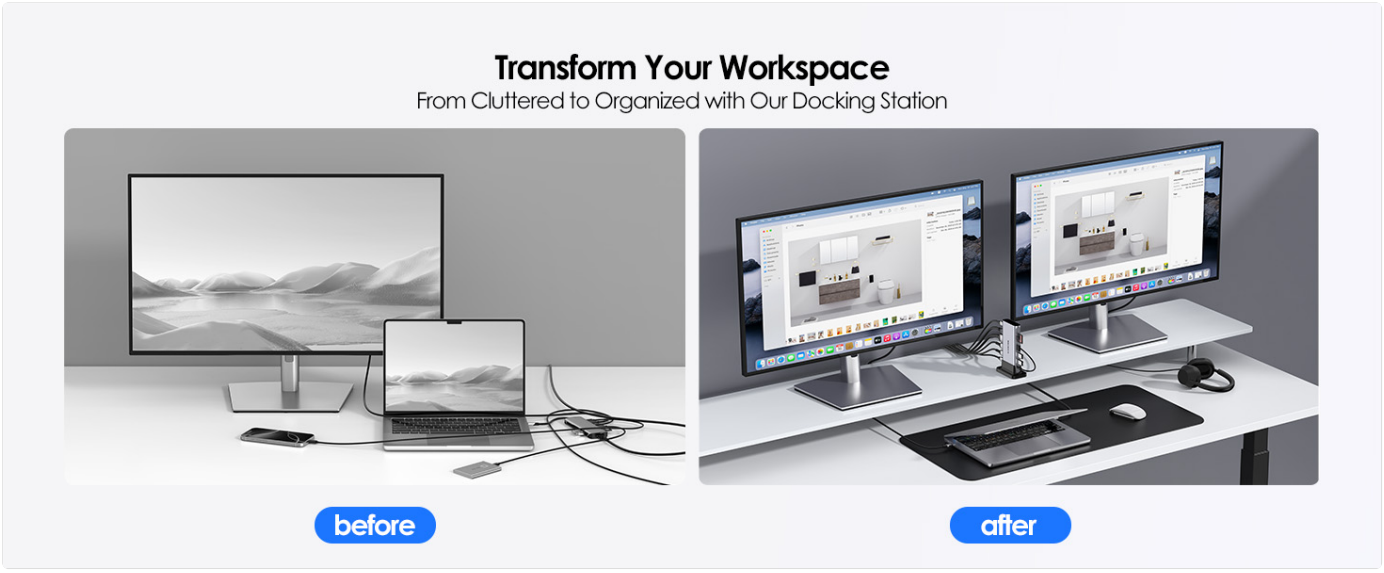


Figure 4: Detachable base for vertical or horizontal placement.

6. Operating Instructions

6.1 Display Output

Connect your external monitor to the HDMI port. Ensure your laptop's USB-C port supports DisplayPort Alt Mode for video output. The docking station supports 4K resolution at 60Hz for a smooth visual experience.

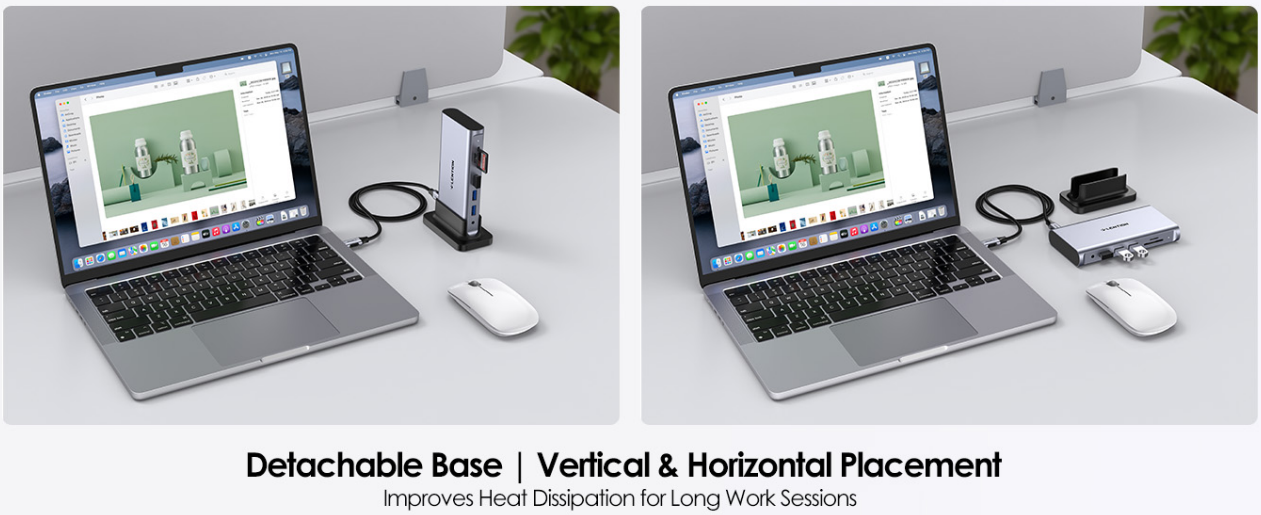


Figure 5: 4K@60Hz display output.

6.2 Data Transfer

The five USB 3.0 ports and dual SD/TF card readers allow for high-speed data transfer. Connect your storage devices or insert memory cards to access and transfer files at up to 5Gbps for USB 3.0 and 104MB/s for SD/TF cards.



Figure 6: High-speed SD/TF card data transfer.



Figure 7: USB 3.0 and SD/TF data speeds.

6.3 Power Delivery

When connected to a compatible USB-C PD charger, the docking station can deliver up to 85W of power to your laptop, ensuring it stays charged during use. The docking station itself accepts up to 100W input.

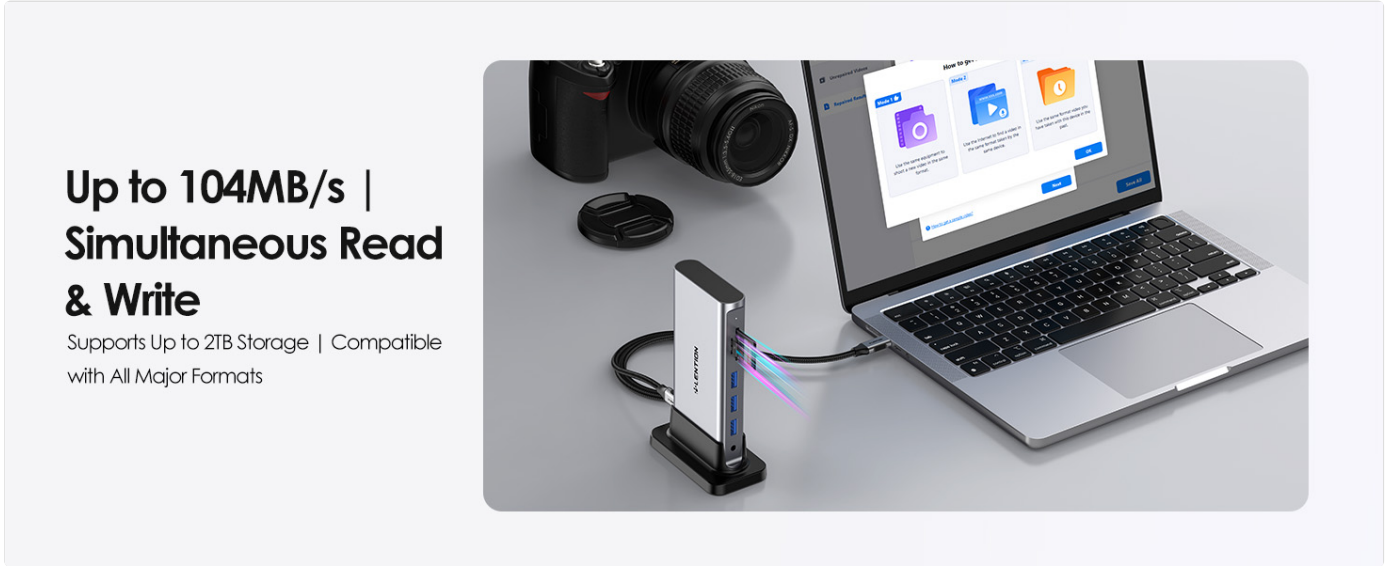


Figure 8: 100W Power Delivery functionality.

6.4 Network Connection

For a reliable and faster internet connection, plug an Ethernet cable into the Gigabit Ethernet port. This provides a stable wired connection, ideal for video calls, streaming, and large file transfers.



Figure 9: Gigabit Ethernet connection.

6.5 Audio Connection

Use the 3.5mm audio jack to connect your headphones or speakers for audio output, or a headset with a microphone for communication.



Figure 10: 3.5mm Audio/Mic jack.

7. Compatibility

The LENTION D54 Docking Station is designed for universal plug-and-play compatibility with a wide range of devices and operating systems. It is compatible with:

- MacBook Pro 13/14/15/16 (2016-2026)
- MacBook Air (2018-2026)
- MacBook Neo, MacBook 12, New iMac
- Steam Deck
- Surface Pro 7/8/Book 2/Go
- Chromebook
- Dell XPS, HP Spectre/ENVY, Lenovo Yoga, and more.

It supports computers, laptops, tablets, and phones with a full-function (supporting charging, data transfer, and video output) USB-C port or Thunderbolt 3/4 port.

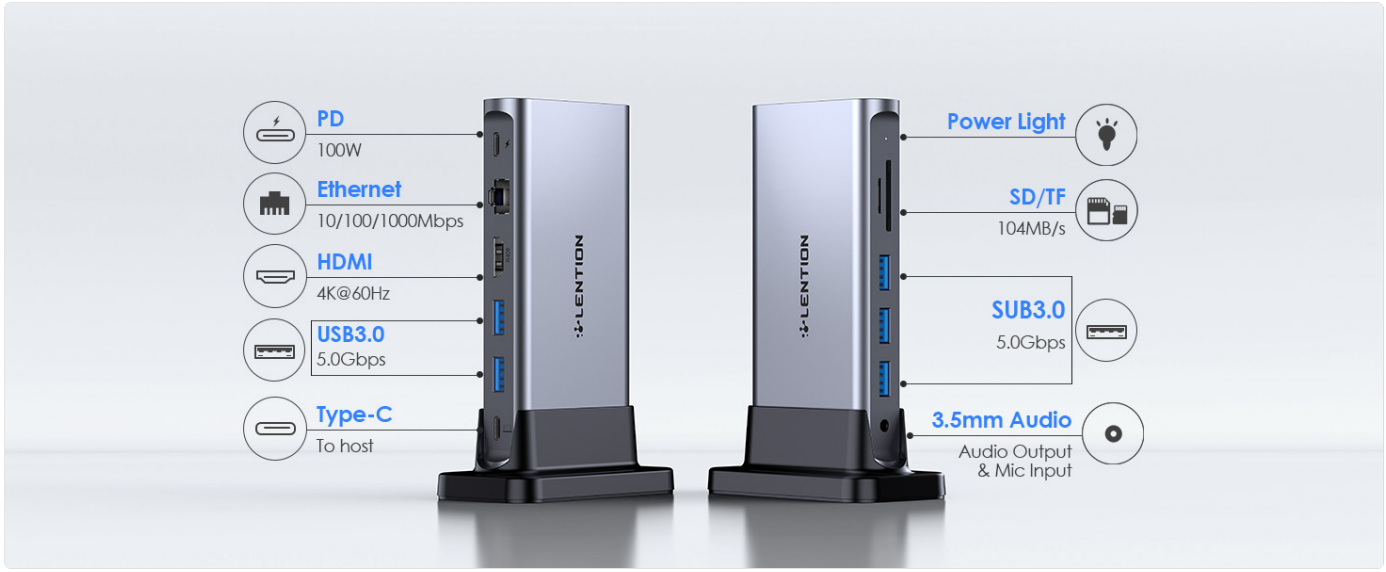


Figure 11: Device and OS compatibility.

7.1 USB-C Port Type Verification

It is crucial to verify the capabilities of your laptop's USB-C port to ensure full functionality of the docking station. Not all USB-C ports support all features.

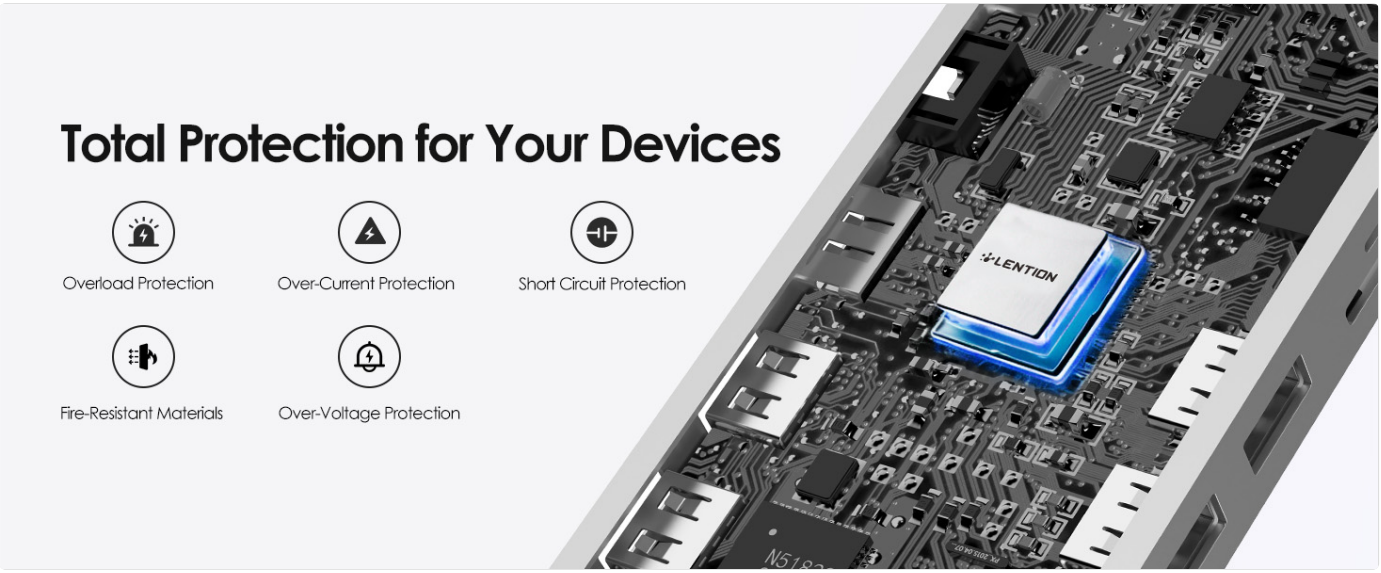


Figure 12: USB-C port compatibility guide.

- **Full Function USB-C / Thunderbolt Port:** Supports charging, data transfer, and video output. (Recommended for full dock functionality)
- **USB-C with Data + Video Output:** Supports data transfer and video output, but may not support charging.
- **USB-C with Data + DisplayPort Alt Mode:** Supports data transfer and video output.
- **USB-C with Data Transfer Only:** Will only allow data transfer through the dock's USB ports, no video or charging.
- **USB-C with Charging Only:** Will only allow charging, no data or video.

8. Specifications

Feature	Specification
Model	D54
Ports	11 (1x HDMI, 1x Gigabit Ethernet, 5x USB 3.0 Type-A, 1x USB-C PD, 1x USB-C Host, 1x SD, 1x MicroSD, 1x 3.5mm Audio)
HDMI Output	4K@60Hz
Power Delivery	Up to 100W input, 85W output to host
Ethernet	10/100/1000Mbps Gigabit
USB 3.0 Data Speed	Up to 5Gbps
SD/TF Card Speed	Up to 104MB/s
Dimensions (L x W x H)	5.27" x 2.67" x 0.82"
Weight	0.66 Pounds

9. Troubleshooting

- **No Display Output:**
  - Ensure your host device's USB-C port supports DisplayPort Alt Mode. Refer to your device's specifications.
  - Check all cable connections (USB-C to host, HDMI to monitor).
  - Try a different HDMI cable or monitor if available.
  - Restart your host device.
- **No Power Delivery/Charging:**
  - Ensure your host device's USB-C port supports Power Delivery.
  - Verify your USB-C PD charger is connected to the correct port on the docking station and is functioning correctly.
  - Ensure the PD charger provides sufficient wattage (e.g., 100W for optimal performance).
- **USB Devices Not Recognized:**
  - Reconnect the USB device.
  - Try a different USB port on the docking station.
  - Ensure the host device's USB-C port supports data transfer.
- **Intermittent Connections/Overheating:**
  - Ensure the docking station is placed in its vertical stand for better airflow.
  - Avoid placing the docking station in enclosed spaces.
  - Reduce the number of high-power devices connected simultaneously if issues persist.
  - The Stable Driver 3.0 technology is designed to prevent these issues, but extreme conditions can still affect performance.
- **Network Issues:**
  - Check the Ethernet cable connection to both the dock and your router/modem.
  - Verify your network settings on your host device.
  - Try a different Ethernet cable.

10. 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 when not in use.
- **Handling:** Avoid dropping or subjecting the device to strong impacts.
- **Heat Dissipation:** Always use the vertical stand to ensure proper airflow and prevent overheating, especially during prolonged use or when multiple devices are connected.

11. Warranty and Support

The LENTION D54 11-in-1 USB C Docking Station comes with a**2-Year Warranty** from the date of purchase. For technical support, warranty claims, or further assistance, please contact LENTION customer service through their official website or the retailer where the product was purchased.

12. Product Videos

LENTION Detchable USB C Docking Station with 4K@60Hz HDMI

Your browser does not support the video tag.

This video provides an overview of the LENTION D54 detachable USB-C docking station, highlighting its 4K@60Hz HDMI capabilities and various ports.

LENTION Docking Station D54

Your browser does not support the video tag.

A concise video demonstrating the LENTION D54 Docking Station in use, showcasing its features and compact design.

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question