ACASIS DS-9002

ACASIS 40Gbps Docking Station User Manual

Model: DS-9002

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ACASIS 40Gbps Docking Station. Please read this manual thoroughly before using the device to ensure optimal performance and safety. This docking station is designed to expand the connectivity of your Thunderbolt 4/3 and USB 4 compatible laptops and devices, offering high-speed data transfer, multiple display outputs, and efficient power delivery.

Image 1.1: The ACASIS 40Gbps Docking Station, including the main unit, power adapter, and connecting cables.

2. PRODUCT FEATURES

- **High-Speed Connectivity:** Equipped with 4 x 40Gbps interfaces for rapid data syncing.

- **Versatile Display Output:** Supports single 8K/60Hz or dual 4K/60Hz display configurations.*Note: Apple M1/M2 chips do not support dual monitor extended mode.*

- **Power Delivery:** Provides 60W charging for laptops and 15W for other devices via a 120W DC power supply.

- **Extensive Port Selection:** Includes RJ45 Gigabit Ethernet, self-propelled SD/Micro SD card reader, 3.5mm Audio jack, and 2x USB-A 3.1 ports (up to 10Gbps).

- **Plug-and-Play Operation:** No drivers or complex setup required. Supports wake from sleep without re-plugging.

- **Broad Compatibility:** Works with Thunderbolt 4/3, USB 4, and USB-C computers, including Apple M1/M2, Intel-based Macs, Windows, and Chrome OS devices.

- **Durable Design:** Features an upgraded premium metal shell for efficient heat dissipation.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- ACASIS 40Gbps Docking Station (Model: DS-9002)
- 120W DC Power Adapter
- Power Cable
- Thunderbolt/USB-C Cable (2.6 ft)
- User Manual (this document)

4. SETUP INSTRUCTIONS

Follow these steps to set up your ACASIS 40Gbps Docking Station:

1. **Connect Power:** Connect the 120W DC power adapter to the DC 20V input port on the docking station. Plug the power cable into a wall outlet. The LED indicator on the dock will illuminate.

2. **Connect to Host Device:** Use the provided Thunderbolt/USB-C cable to connect one of the 40Gbps input ports on the docking station to your laptop or compatible host device.

3. **Connect Peripherals:** Connect your external monitors, USB devices (flash drives, SSD cases, mouse, keyboard), Ethernet cable, SD/TF cards, and audio devices to the corresponding ports on the docking station.
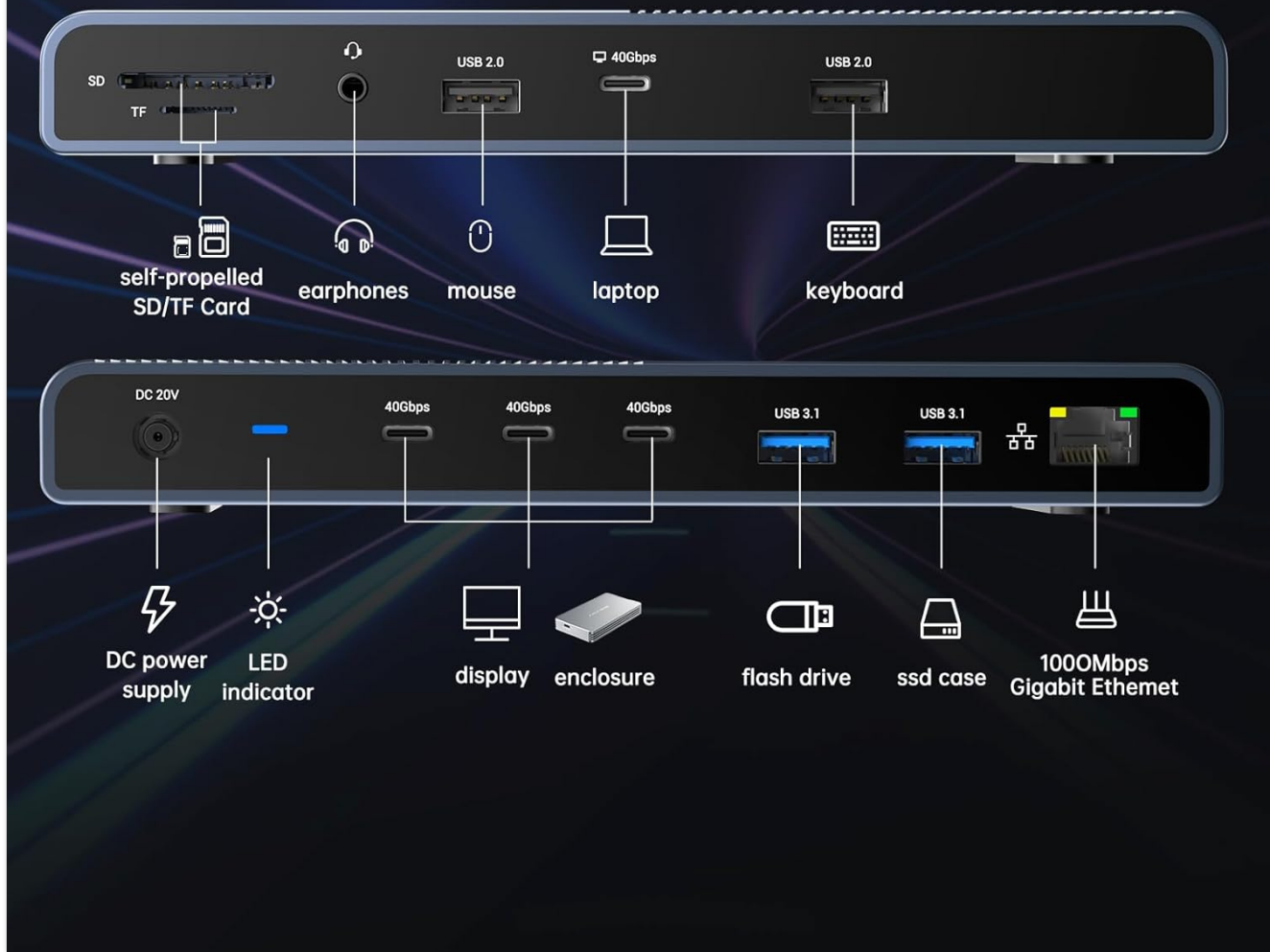
Image 4.1: Connection demonstration of the ACASIS docking station ports.

5. OPERATING INSTRUCTIONS

5.1 Display Configuration

The docking station supports various display configurations:

- **Single Monitor:** Connect one monitor to any of the 40Gbps output ports for up to 8K@60Hz resolution (Windows) or 4K@60Hz (Mac).
- **Dual Monitors (Mirror Mode):** Connect two monitors for mirrored displays at up to 4K@60Hz (Windows and Mac).
- **Dual Monitors (Extended Mode):** Connect two monitors for extended displays at up to 4K@60Hz (Windows). *Note: Apple M1/M2 chips do not support dual monitor extended mode.*

Crystal-Clear Visual Impact
Single 8K Dual 4K

4K   4K

NOTE:Apple M1 chip does not support dual screen

	Windows 40Gbps laptops	Macbooks
Single Monitor	8K@60Hz	4K@60Hz
Dual Monitor (Mirror)	4K@60Hz	4K@60Hz
Dual Monitor (Extended)	4K@60Hz	4K@60Hz

Image 5.1: Crystal-Clear Visual Impact - Single 8K Dual 4K Display Configurations.

Up to 312MB/S

Compatible with SD, SDXC, SDH, RS-MMC, MMC micro, Micro SDHC, Micro SDXC cards at up to 312MB/s

Image 5.2: Detailed illustration of single, mirror, and extended display modes.

5.2 Power and Charging

The docking station provides efficient power delivery:

- The 120W DC power supply ensures stable operation and charging.

- Laptops connected to the dock can receive up to 60W of charging power.

- Other connected devices will receive up to 15W of power.

Image 5.3: Power input and output demonstration.

5.3 Connectivity and Data Transfer

Leverage the high-speed capabilities of the docking station:

- **40Gbps Ports:** Utilize the 40Gbps interfaces for ultra-fast data transfer, allowing large files (e.g., 2.5GB) to sync in seconds.

- **Gigabit Ethernet:** The RJ45 port provides a stable 1000Mbps Ethernet connection for reliable network access.

- **USB 3.1 Ports:** Two USB-A 3.1 ports offer data transfer speeds up to 10Gbps for external drives and peripherals.
- **SD/TF Card Reader:** The self-propelled SD/Micro SD card slot supports speeds up to 312MB/s, compatible with SD, SDXC, SDHC, RS-MMC, MMC micro, Micro SDHC, and Micro SDXC cards.
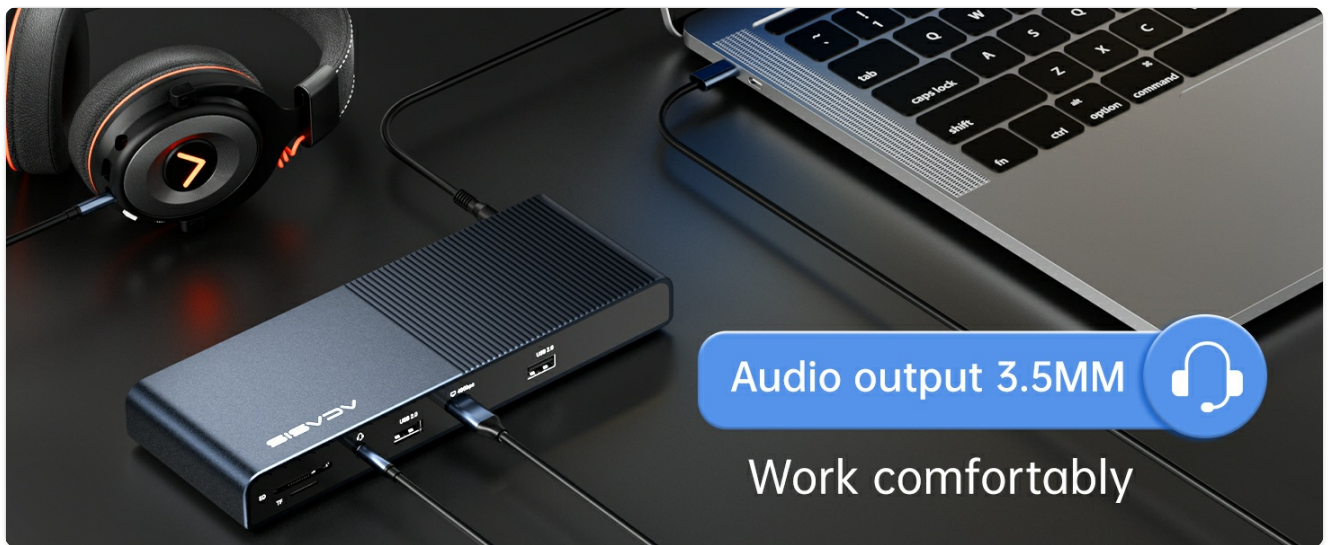- **3.5mm Audio:** Connect headphones or speakers for audio output.

Image 5.4: High-speed 40Gbps data transfer.

Image 5.5: Gigabit Ethernet connection.

Image 5.6: 3.5mm Audio output for comfortable work.

Image 5.7: High-speed SD/TF card data transfer.

6. COMPATIBILITY

The ACASIS 40Gbps Docking Station is broadly compatible with a range of devices and operating systems:

- **Host Devices:** Compatible with Thunderbolt 4, Thunderbolt 3, USB 4, and USB-C enabled computers and tablets. This includes Apple M1, M2, M1 Pro, M1 Max, M1 Ultra, Intel-based Macs, iPads, Windows tablets, and various laptops such as MacBook Pro/Air, Samsung Galaxy Book 3 Pro, HP Spectre x360 13.5, Surface Pro 9, and LG Gram 17.

- **Operating Systems:** Supports Windows 7/10/11 or later, Mac OS 10.2 or later, and Linux.

Compatible with USB-C Thunderbolt 3/4, USB 4 hosts

Popular Compatible Devices

M1 and M2 Macbooks

Samsung Galaxy Book 3 Pro

HP Spectre x360 13.5

Surface Pro 9

LG gram 17

and more

Compatible Operating Systems

Windows 7/10/11 or later

Mac OS 10.2 or later

Linux

2.6 ft Cable included

ACASIS

DC 20V | 40Gbps | 40Gbps | 40Gbps | USB 3.1 | USB 3.1

Image 6.1: Compatible devices and operating systems.

Connection Demonstration

SD

TF

USB 2.0

40Gbps

USB 2.0

SD/TF Card

earphones | mouse | laptop | keyboard

DC 20V | 40Gbps | 40Gbps | 40Gbps | USB 3.1 | USB 3.1

DC power supply

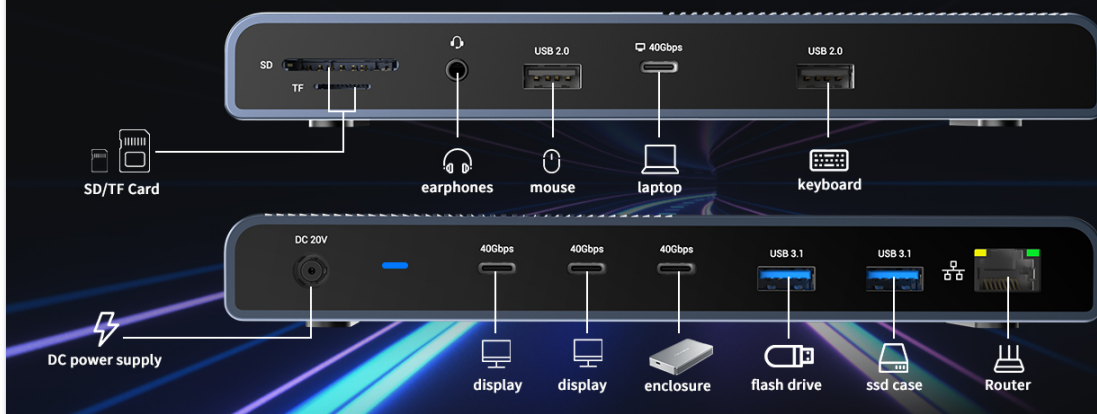display | display | enclosure | flash drive | ssd case | Router

Image 6.2: Overview of compatible devices and operating systems.

7. Maintenance

To ensure the longevity and optimal performance of your ACASIS 40Gbps Docking Station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the docking station. Avoid using liquid cleaners, aerosols, or solvents.

- **Ventilation:** Ensure the docking station is placed in a well-ventilated area to allow for proper heat dissipation. Do not block the ventilation grilles. The premium metal shell is designed for fast heat dissipation.

- **Storage:** When not in use for extended periods, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.

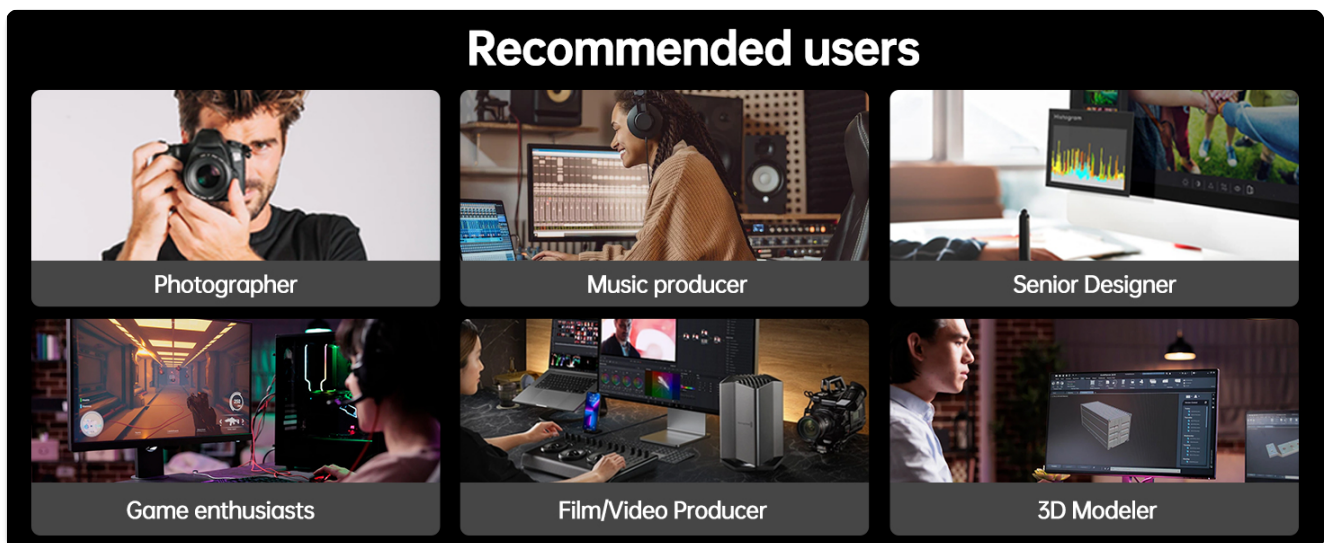- **Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.

Image 7.1: Premium metal shell for fast heat dissipation.

8. Troubleshooting

If you encounter issues with your ACASIS 40Gbps Docking Station, please refer to the following common troubleshooting steps:

- **No Power/LED Off:**

    - Ensure the power adapter is securely connected to both the docking station and a working wall outlet.
    - Verify the power outlet is functional by testing it with another device.

- **No Display Output:**

    - Check that the display cables (e.g., HDMI, DisplayPort) are securely connected to both the docking station and the monitor.
    - Ensure the monitor is powered on and set to the correct input source.
    - Verify that your laptop's display settings are configured correctly for external monitors (e.g., extended, mirrored).
    - Try connecting a single monitor first to isolate the issue.
    - For Apple M1/M2 chips, remember that dual extended display is not supported.

- **Peripherals Not Working (USB, SD/TF, Ethernet, Audio):**

- Ensure the peripheral is properly connected to the correct port on the docking station.
- Test the peripheral directly with your laptop to confirm it is functional.
- Restart your laptop and the docking station.
- For Ethernet, check network cable and router connection.

- **Slow Data Transfer Speeds:**

    - Ensure you are using the provided 40Gbps cable to connect the dock to your host device.
    - Verify that your host device supports Thunderbolt 4/3 or USB 4 for optimal speeds.
    - Check the specifications of your connected storage devices (e.g., SSD, flash drive) as their speed may be a limiting factor.

- **Laptop Not Charging:**

    - Confirm the docking station is receiving power from the 120W DC adapter.
    - Ensure your laptop supports charging via its Thunderbolt/USB-C port.
    - Some laptops may require their original charger for full-speed charging, especially high-power models.

If the issue persists after trying these steps, please contact ACASIS customer support.

9. SPECIFICATIONS

Feature	Specification
Model Number	DS-9002
Product Dimensions	4.33 x 2.95 x 0.71 inches (11 x 7.5 x 1.8 cm)
Item Weight	2.33 pounds (1.06 Kilograms)
Color	Space Gray
Hardware Interface	Ethernet, USB, SD/TF, Audio
Total USB Ports	13 (including 4x 40Gbps, 2x USB-A 3.1, 2x USB 2.0)
Total HDMI Ports	N/A (Display via 40Gbps ports, requires adapter for HDMI)
Wattage (Power Adapter)	120.00 W
Laptop Charging Output	60 W
Display Output	Single 8K@60Hz or Dual 4K@60Hz
Ethernet Speed	1000 Mbps Gigabit Ethernet
SD/TF Card Speed	Up to 312 MB/s

10. WARRANTY AND SUPPORT

ACASIS is committed to providing high-quality products and excellent customer service.

- **Warranty:** This ACASIS 40Gbps Docking Station is covered by a 1-year limited parts warranty from the date of purchase.
- **Service Support:** If you encounter any problems with your dock, please do not hesitate to contact our support team. We are happy to assist with replacements or troubleshooting.
- **Lifetime Support:** Every ACASIS product receives lifetime support.

For assistance, please contact us via email:
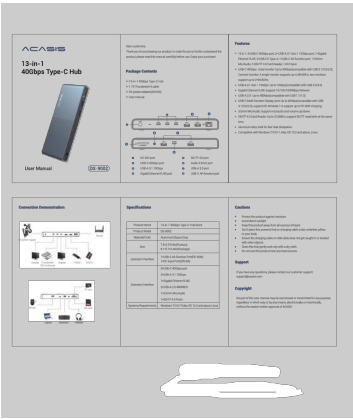
support@acasis.com

Image 10.1: ACASIS After-Sales Service contact details.

Related Documents

	ACASIS DS-9001 6-in-1 Thunderbolt 4 Hub User Manual User manual for the ACASIS DS-9001 6-in-1 Thunderbolt 4 Hub, detailing its features, specifications, and connectivity options.
	ACASIS Thunderbolt SSD Enclosure Docking Station TBU405Plus User Manual User manual for the ACASIS TBU405Plus Thunderbolt SSD Enclosure Docking Station. Learn about product features, specifications, interface connections, installation, and usage guidelines.
	ACASIS EC3901 4-Bay Thunderbolt Hard Drive Enclosure User Manual This document provides instructions, specifications, and troubleshooting for the ACASIS EC3901 4-Bay Thunderbolt Hard Drive Enclosure, focusing on installation, usage, and warranty information.
	ACASIS EC-1401 6-in-1 USB-C SSD Enclosure and Docking Station User Manual User manual for the ACASIS EC-1401, a 6-in-1 USB-C Magnetic SSD Enclosure and Docking Station for Mobile Phones. Includes specifications, installation instructions, and troubleshooting FAQs in multiple languages.

Documents - ACASIS – DS-9002