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› ACASIS 40Gbps Mac mini M4 Dock with SSD Enclosure User Manual

ACASIS B0FQTZ2BN4

ACASIS 40Gbps Mac mini M4 Dock with SSD Enclosure User Manual

Model: B0FQTZ2BN4

1. INTRODUCTION

Thank you for choosing the ACASIS 40Gbps Mac mini M4 Dock. This device is designed to expand the capabilities of your Mac mini M4, offering ultra-fast data transmission, additional storage, and enhanced display options. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure optimal performance.

2. KEY FEATURES

- **40Gbps Ultra-Fast Transmission:** Experience rapid data transfer speeds for demanding tasks.
- **Integrated SSD Enclosure:** Supports a single NVMe SSD up to 8TB for massive storage expansion.
- **Dual DisplayPort Outputs:** Connect two external monitors for high-resolution displays (4K@144Hz single, 4K@60Hz dual).
- **10-in-1 Connectivity:** Includes 3x USB-A 10Gbps ports and SD/TF 4.0 card slots for wide compatibility.
- **Dedicated Power Button:** For convenient control of the dock.
- **Durable Aluminum Alloy Design:** Provides robust protection and efficient heat dissipation.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- ACASIS Mac mini M4 Dock
- 40Gbps USB-C to USB-C Cable
- Power Adapter
- Screwdriver
- SSD Snap
- Thermal Pads for SSD

What You Get



- 1 Packing box
- 2 Mac Mini dock/hub
- 3 User manual
- 6 PD power cable
- 4 40Gbps cable
- 5 electric power source
- 7 Screw drivers
- 8 SSD snap
- 9 Thermal pad for SSD

Image: Contents of the ACASIS Mac mini M4 Dock package, including the dock, cables, power adapter, screwdriver, SSD snap, and thermal pads.

4. SETUP GUIDE

4.1 Installing the SSD (Optional)

- 1. Prepare the Enclosure:** Use the provided screwdriver to remove the four screws on the bottom panel of the dock. Gently remove the bottom cover.
- 2. Insert the SSD:** Align your M.2 NVMe SSD with the slot. Insert the drive at a 45-degree angle and secure it with the rubber plug. Apply the thermal pad(s) to the SSD for optimal heat dissipation.
- 3. Replace the Cover:** Replace the bottom cover and tighten the four screws.



Image: Visual guide for installing an M.2 NVMe SSD into the ACASIS Mac mini M4 Dock, showing the removal of the bottom panel, insertion of the SSD, and reassembly.

4.2 Placing Your Mac mini M4

1. Ensure the Mac mini M4 is powered off.
2. Carefully align the Mac mini M4 with the top opening of the dock. The power button on the Mac mini should align with the auxiliary power button on the dock.
3. Gently slide the Mac mini M4 into the dock until it is securely seated.

10-IN-1 Mac mini M4 dock

1 SSD Indicator Light

2 SD/TF4.0
Up to 312MB/s

3 switch

4 HOST 40Gbps
For host PC connection

5 DP(x2)
Single Display 4K @ 144HZ
Dual Display: 4K @ 60HZ

6 PD

7 3*USB-A
10Gbps

8 M2 Port
(40Gbps)

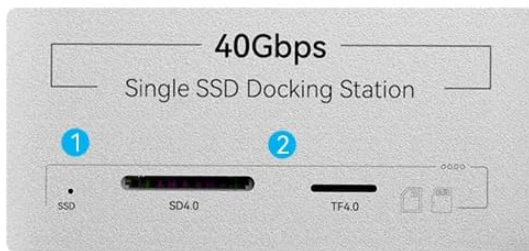


Image: The ACASIS Mac mini M4 Dock shown with a Mac mini M4, illustrating how the Mac mini fits seamlessly into the dock.

4.3 Connecting the Dock

1. **Power Connection:** Connect the provided power adapter to the dock's PD port.
2. **Host Connection:** Use the 40Gbps USB-C to USB-C cable to connect the dock's HOST port to a Thunderbolt port on your Mac mini M4.
3. **Peripherals:** Connect your DisplayPort monitors, USB-A devices (keyboard, mouse, USB drives), and SD/TF cards to the respective ports on the dock.
4. **Power On:** Press the power switch on the dock to begin use.

Enhanced storage capacity up to 8TB



3.72 million
photos
2MB / photo



2068
hours
6MB/minute



8275
hours
15MB/minute



7.448 million
documents
2MB/document



Image: A close-up view of the ACASIS Mac mini M4 Dock's ports, including DisplayPort, USB-A, and the host connection, with cables connected.

Your browser does not support the video tag.

Video: An official ACASIS video demonstrating the setup and features of the Mac mini M4 Dock, including port connections and SSD installation.

5. OPERATING INSTRUCTIONS

5.1 Data Transfer

The 40Gbps host connection allows for ultra-fast data transfer between your Mac mini M4 and connected devices, including the internal NVMe SSD. Simply drag and drop files as you would with any external storage device. The 10Gbps USB-A ports also provide high-speed connectivity for compatible USB devices.

Mac mini M4 dock

3G file transfer in seconds

40Gbps



Image: The ACASIS Mac mini M4 Dock connected to a monitor, illustrating high-speed 40Gbps data transfer capabilities.

5.2 Display Output

Utilize the dual DisplayPort outputs to extend or mirror your Mac mini M4's display. For optimal performance, use direct DP to DP cables without adapters. Adjust display settings in your macOS System Settings.

- Single Display: Up to 4K resolution at 144Hz.
- Dual Display: Up to 4K resolution at 60Hz for each monitor.

5.3 Card Reader Functionality

Insert SD 4.0 or TF 4.0 cards into the designated slots on the top of the dock. The card reader supports speeds up to 312MB/s, ideal for photographers and videographers.



Image: A top-down view of the ACASIS Mac mini M4 Dock, highlighting the SD and TF card slots and SSD indicator light.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the dock. Avoid liquid cleaners or abrasive materials.

- **Heat Dissipation:** The aluminum alloy design and perforated structure aid in heat dissipation. Ensure proper airflow around the dock to prevent overheating, especially during heavy use.
- **SSD Care:** If you experience issues with your SSD, ensure it is properly seated and the thermal pads are correctly applied.

One smart choice= Long-term peace of mind



aluminum alloy



Avoid scratching



Perforated for cooling



One-click power on



1:1 scale mold



Reduce sliding



Image: Diagram showing the features of the ACASIS Mac mini M4 Dock, including its aluminum alloy construction, perforated cooling design, and anti-slip feet.

7. TROUBLESHOOTING

Q1: My DisplayPort isn't detecting the monitor. Is this a product defect?

If your monitor shows 'No Signal', here are a few possible reasons:

1. You might be using a DP to HDMI cable, which can cause compatibility issues. We recommend using a direct DP to DP cable without any adapters.
2. The monitor's input source may be set incorrectly. Make sure to set the monitor input to DP.
3. The HOST cable must be connected to a Thunderbolt port on your Mac Mini M4 for the dock to work.

Try these steps:

- Connect the dock's HOST port to your computer's Thunderbolt port using the original USB-C to USB-C cable. Press the power button on the dock to turn it on.
- Plug the original power adapter into the dock's PD charging port.
- Use a DP to DP cable to connect your monitor to the dock's DP port, and set your monitor's input source to DP.
- *Note: If the issue continues, try connecting your monitor to another device with a DP port to see if it works properly.*

Q2: My USB port isn't recognizing devices. Is this a product defect?

(Regarding issue: USB port not working)

If your USB devices aren't working, here's what might be happening:

1. The HOST connection might be unstable.
2. The dock may not be powered on.

Try the following:

- Use the original USB-C to USB-C cable to connect the HOST port to your computer's Thunderbolt port. Make sure the dock is turned on.
- Connect the original power adapter to the dock's PD power port.
- Plug your USB device (flash drive, mouse, keyboard, etc.) into the dock and check if it works.
- *Note: If the device still doesn't work, try plugging it into another computer to see if the issue is with the device itself.*

Q3: My dock disconnected during use, and my SSD isn't being detected.

If your dock disconnects or your SSD isn't detected during use, here's why that might happen:

1. The M.2 SSD or HOST connection may be loose.
2. Your SSD may require more power—make sure the dock is connected to a power source.

Here's what you can do:

- Turn off the dock and unplug it. Remove the SSD and gently clean the gold connectors with an eraser before reinserting it.
- Always use the power adapter when connecting high-power devices like SSDs to ensure stable performance.
- *Note: When using multiple devices at once, always keep the dock plugged into power for best results.*

Q4: Do I need to connect the dock to a power source during use?

Think of the external power adapter as your dock's "gas station." It makes sure every connected device gets enough "fuel" to run at full speed, reliably, without draining your Mac's battery.

Q5: The indicator lights on the device are too bright. Why are they there?

The power light shows whether your Mac Mini M4 is on, and the SSD light tells you if your SSD is installed correctly. These lights help you understand what's happening—like whether the device is powered on, transferring data, or experiencing an error—without needing to check your computer. If the lights are too bright, you can place a small piece of tape over them to soften the glow.

3x USB-A 10Gbps M4 Mac mini dock

Save Desk Space an incredibly t design saves on clutter, leaving room for all those accessories you'll be plugging in.



Image: A visual representation of common troubleshooting scenarios for the ACASIS Mac mini M4 Dock, including display and USB issues.

8. SPECIFICATIONS

Feature	Detail
Model	B0FQTZ2BN4
Brand	ACASIS
Host Interface	USB-C (40Gbps)
SSD Enclosure	Single M.2 NVMe, up to 8TB capacity
Display Outputs	2 x DisplayPort (4K@144Hz single, 4K@60Hz dual)
USB Ports	3 x USB-A (10Gbps)
Card Reader	SD 4.0, TF 4.0 (up to 312MB/s)
Power Delivery (PD)	20W
Material	Aluminum Alloy
Compatible Devices	Mac mini M4
Product Dimensions	5.35"L x 4.43"W x 6.69"H
Item Weight	900 Grams (1.98 pounds)

9. WARRANTY AND SUPPORT

ACASIS provides a **24-month warranty service** for this product. Additionally, lifetime technical support is available. For technical assistance or warranty claims, please contact ACASIS customer support:

Email: support@acasis.com

Service Hours: 7x24 hours online service



Image: ACASIS customer support details, including email and service availability.