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GIISSMO DK5A2

GIISSMO 40Gbps Mac Mini M4 Dock & Stand User Manual

Model: DK5A2

1. Product Overview

The GIISSMO 40Gbps Mac Mini M4 Dock & Stand is an 11-in-1 connectivity hub designed to expand the capabilities of your Mac Mini M4. It features a built-in NVMe SSD enclosure for additional storage, multiple high-speed ports, and supports multi-display configurations, all while maintaining a sleek, integrated design.



Image: The GIISSMO 40Gbps Mac Mini M4 Dock & Stand shown with a Mac Mini M4 and various cables, illustrating its comprehensive connectivity.

Key Features:

- **40Gbps Hyper-Speed Transfer:** Achieves blazing-fast data transfer speeds via its HOST interface, ideal for high-performance storage devices.
- **11-in-1 High-Speed Connectivity Hub:** Includes 2x USB-A 3.2 (10Gbps), 1x USB-C 3.2 (10Gbps), UHS-II SD/TF 4.0 card reader (312MB/s), USB-C Power, 8K DisplayPort 1.4 video interface, 3.5mm audio, and a 40Gbps USB-C port (supports 15W Power Delivery).
- **Massive 8TB Expandable Storage:** Supports M.2 NVMe SSDs (2230/2242/2260/2280 sizes) up to 8TB for ultra-fast internal storage expansion (SSD not included).
- **Triple Display Productivity:** Supports up to three 4K displays (via DisplayPort 1.4 + 40Gbps USB-C + Mac Mini's HDMI) or a single 8K screen.
- **Flawless Wi-Fi Without Interference:** Equipped with internal conductive shielding to reduce 5GHz Wi-Fi interference.
- **65W Power Adapter Included:** Ensures stable self-powering and reduces the risk of disconnections or display issues.

2. Setup Guide

2.1. NVMe SSD Installation

To expand your storage, you can install an M.2 NVMe SSD into the dock's enclosure. The dock supports 2230, 2242, 2260, and 2280 sizes.

1. Unscrew and remove the bottom cover plate of the dock.
2. Carefully insert your M.2 NVMe SSD into the slot.
3. Secure the SSD with the provided mounting screw.
4. Apply the thermal pad (if included) to the SSD for optimal heat dissipation.
5. Replace the bottom cover plate and secure it with the screws.



Image: Exploded diagram illustrating the process of installing an M.2 NVMe SSD into the dock's enclosure, including the cover plate, mounting screw, and SSD placement.

2.2. Connecting the Dock to Mac Mini

Place your Mac Mini M4 directly on top of the GIISSMO Dock. Connect the provided USB-C to USB-C cable from the dock's HOST port to one of the Thunderbolt/USB4 ports on your Mac Mini.

2.3. Power Supply Connection

Connect the included 65W PD adapter to the USB-C Power port on the dock. This external power supply is crucial for stable operation, especially when using multiple peripherals or high-capacity SSDs, preventing disconnections or performance issues.



Image: A Mac Mini M4 setup with the dock, showing the 65W power adapter connected and supporting multiple external drives simultaneously.

3. Operating Instructions

3.1. Port Functionality

The dock provides a variety of ports for enhanced connectivity:

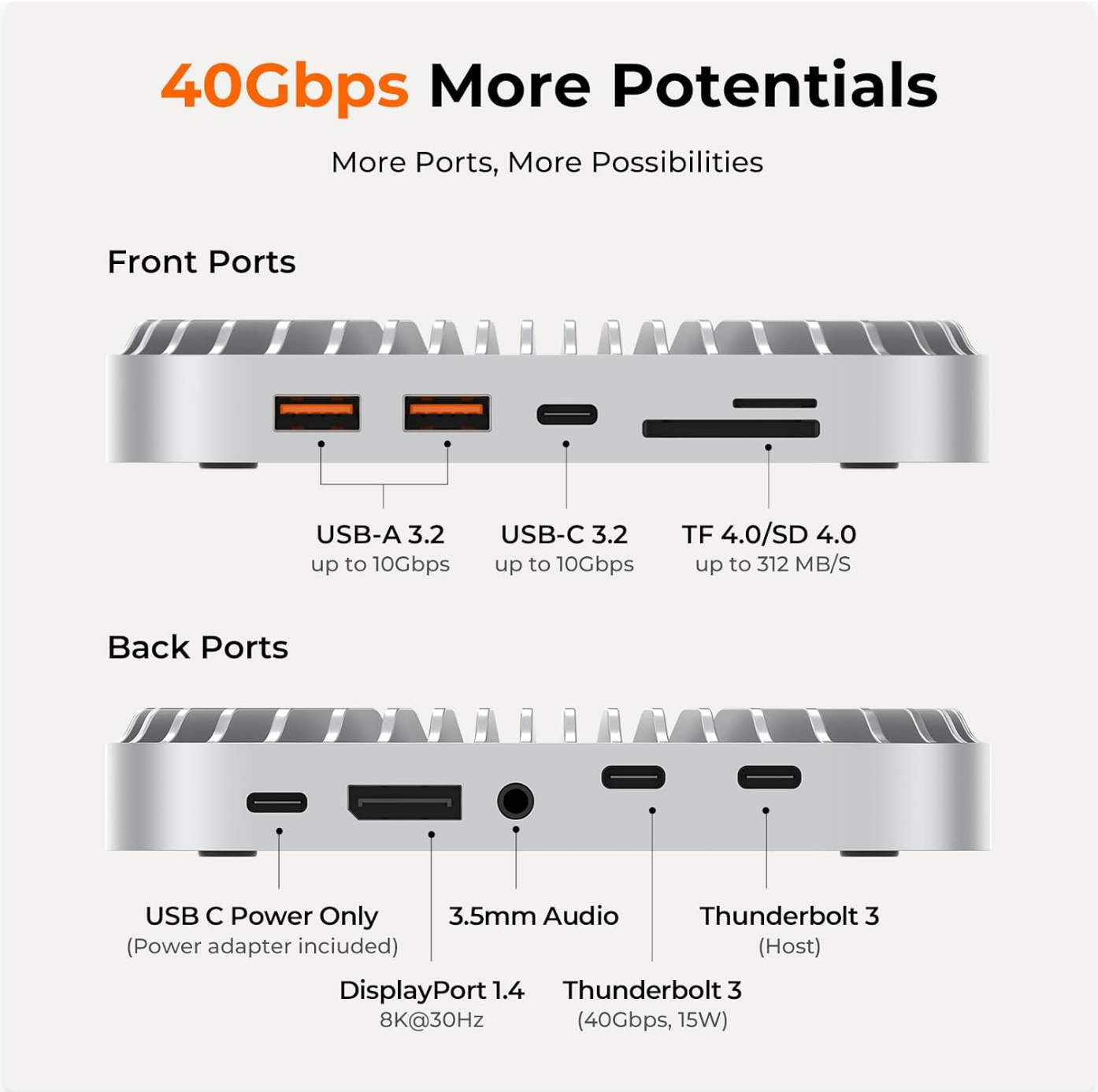


Image: Detailed diagram highlighting the various ports available on the front and back of the GIISSMO Mac Mini M4 Dock.

- **Front Ports:**
  - 2x USB-A 3.2 (10Gbps): For connecting USB-A devices.
  - 1x USB-C 3.2 (10Gbps): For connecting USB-C devices.
  - UHS-II SD/TF 4.0 Card Reader (312MB/s): For high-speed photo and video transfers.
- **Rear Ports:**
  - USB-C Power Only: Connect the 65W PD adapter here.
  - 3.5mm Audio Jack: For headphones or speakers.
  - DisplayPort 1.4 (8K@30Hz): For video output.
  - Thunderbolt 3 (40Gbps, 15W): For high-speed data transfer and power delivery.
  - Host-Level 40Gbps USB-C: Connects to your Mac Mini.

3.2. Multi-Display Configuration

The dock supports various display setups:

- **Single 8K Display:** Connect one 8K monitor via the DisplayPort 1.4.
- **Triple 4K Displays:** Utilize the dock's DisplayPort 1.4, the dock's 40Gbps USB-C port (with a compatible adapter), and your Mac Mini's built-in HDMI port to connect three 4K monitors simultaneously.



Image: A workstation setup demonstrating three 4K monitors connected to a Mac Mini M4 using the dock's display capabilities.

3.3. Wi-Fi Performance

The dock is designed with internal conductive shielding to minimize interference with your Mac Mini's 5GHz Wi-Fi, ensuring stable wireless performance even when high-speed USB-A ports are in use.

4. Maintenance

- Keep the dock clean by wiping it with a soft, dry cloth.
- Ensure proper ventilation around the dock and Mac Mini to prevent overheating.

- Avoid exposing the device to liquids or extreme temperatures.

5. Troubleshooting

- **Device Disconnection/Drive Failure:** Ensure the 65W PD adapter is properly connected to the USB-C Power port on the dock. Insufficient power can lead to instability.
- **Display Issues:** Verify all display cables are securely connected. For triple display, ensure compatible adapters are used for the USB-C video output.
- **Slow SSD Performance:** Confirm the SSD is correctly installed and the thermal pad is applied. Ensure the dock is connected via its 40Gbps Host USB-C port to the Mac Mini.
- **Wi-Fi Interference:** The dock includes shielding, but if issues persist, try repositioning the Mac Mini or other wireless devices.

6. Specifications

- **Product Dimensions:** 5 x 5 x 0.8 inches
- **Item Weight:** 1.19 pounds
- **Model Number:** DK5A2
- **Hardware Interface:** MicroSD, Thunderbolt, USB 3.0, USB Type C
- **Compatible Devices:** Mac Mini M4 Pro, Mac Mini 2024, Mac Mini M4
- **Total USB Ports:** 6 (2x USB-A 3.2 10Gbps, 1x USB-C 3.2 10Gbps, 1x 40Gbps USB-C Host, 1x 40Gbps USB-C with 15W PD, 1x USB-C Power Only)
- **Special Features:** Fast Charging, Fast Data Transfer, Heat Resistant, Plug and Play

7. Product Video

Watch this official product video from GIISSMO Inc. for a visual overview of the 40G Mac mini M4 Dock & Stand with 8T NVMe SSD Enclosure.

Video: Official product demonstration of the GIISSMO 40G Mac mini M4 Dock & Stand, showcasing its features and connectivity.

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