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› FREEGENE ACASIS M04B NVMe/SATA M.2 SSD to USB-C Docking Station User Manual

FREEGENE M04B

FREEGENE ACASIS M04B NVMe/SATA M.2 SSD to USB-C Docking Station User Manual

Model: M04B | Brand: FREEGENE

1. INTRODUCTION

This manual provides instructions for the FREEGENE ACASIS M04B NVMe/SATA M.2 SSD to USB-C Docking Station. This device allows for external connection and data transfer with M.2 NVMe and SATA-based SSDs via a USB 3.2 Type-C interface, supporting speeds up to 10Gbps. Its design prioritizes ease of use and efficient heat dissipation.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- ACASIS M.2 NVMe/SATA SSD Docking Station (Model M04B)
- USB-C to USB-C Cable (with USB-A adapter)
- User Manual (this document)



Image: The ACASIS M04B docking station, showing an M.2 SSD inserted, alongside the included USB-C to USB-A cable and a USB-A adapter.

3. PRODUCT FEATURES

- **Super-Speed 10Gbps Data Transfer:** Utilizes USB 3.2 Type-C for high-speed data transfer.
- **Aluminum Construction:** Ensures superior heat dissipation for optimal SSD performance and longevity.
- **Toaster-Style Design:** Facilitates tool-free insertion and removal of M.2 SSDs and enhances airflow for cooling.
- **Tool-Free & Driver-Free:** Plug-and-play operation without the need for tools or additional drivers.
- **Wide Compatibility:** Supports M.2 NVMe (M Key / B+M Key) and SATA (B+M Key) SSDs of various sizes (2230, 2242, 2260, 2280) up to 8TB. Compatible with Windows, Linux, and macOS.

Compatible with M.2 NVMe/SATA SSD

Support NVMe (M Key & B+M Key)
or SATA (B+M Key) SSD up to 8TB



Image: Visual representation of supported M.2 NVMe and SATA SSD form factors and key types.

4. SETUP INSTRUCTIONS

1. **Insert M.2 SSD:** Gently align your M.2 NVMe or SATA SSD with the slot on the top of the docking station. Push the SSD firmly into the slot until it is securely seated. The toaster-style design allows for direct insertion without tools.
2. **Connect to Computer:**

- Connect one end of the provided USB-C cable to the Type-C port on the docking station.
 - Connect the other end of the USB-C cable to an available USB-C port on your computer. If your computer only has USB-A ports, use the included USB-A adapter.
3. **Power On:** Press the power button located near the USB-C port on the docking station. A blue LED indicator will illuminate, signifying that the device is powered on.
 4. **System Recognition:** Your operating system (Windows, macOS, Linux) should automatically detect the docking station and the inserted SSD. If the SSD is new or unformatted, you may need to initialize and format it through your operating system's disk management utility before use.

Tool-Free Installation

Smooth plugging and unplugging. No mounting screws needed. Change between NVMe SSD and SATA SSD easily for intended use.



Tool-Free



Direct Plugging



Image: Tool-free installation of an M.2 SSD into the docking station.

5. OPERATING INSTRUCTIONS

Once the SSD is recognized by your computer, it will function as an external storage device. You can perform standard file operations such as copying, moving, deleting, and backing up data.

- **Data Transfer:** Drag and drop files or use copy/paste functions to transfer data between your computer and the

SSD. The USB 3.2 Gen 2 interface supports data transfer rates up to 10Gbps, enabling rapid file transfers.

- **LED Indicator:** The blue LED indicator will blink during read/write operations, indicating active data transfer.
- **Safe Removal:** Always safely eject the external drive from your operating system before physically disconnecting the docking station or removing the SSD to prevent data corruption.

10Gbps Ultra-fast File Transfer

Transfer Datas In Senconds

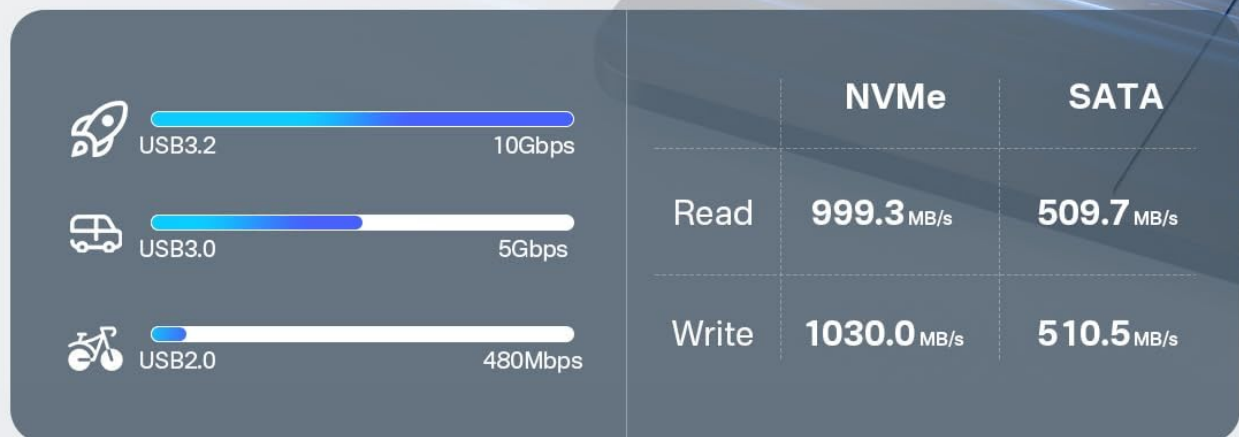


Image: High-speed data transfer capabilities of the docking station.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners.
- **Heat Dissipation:** The aluminum alloy housing is designed for efficient heat dissipation. Ensure the docking station is placed in a well-ventilated area and that the SSD slot is not obstructed during operation to maintain optimal cooling.
- **Storage:** When not in use, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **SSD Not Detected:**
 - Ensure the SSD is fully inserted into the slot.
 - Verify the docking station is powered on (blue LED illuminated).
 - Check the USB cable connection to both the docking station and the computer. Try a different USB port or cable.
 - For new SSDs, ensure they are initialized and formatted through your operating system's Disk Management (Windows) or Disk Utility (macOS).
 - Confirm the SSD is an M.2 NVMe (M Key / B+M Key) or SATA (B+M Key) type. mSATA SSDs are not supported.
- **Slow Transfer Speeds:**
 - Ensure you are connected to a USB 3.2 Gen 2 (10Gbps) compatible port on your computer. Older USB 2.0 or 3.0 ports will result in lower speeds.
 - Verify the SSD itself is capable of high speeds.
 - Close other applications that might be consuming system resources or disk I/O.
- **Intermittent Disconnections:**
 - Ensure the USB cable is securely connected.
 - Try a different USB port on your computer.
 - Avoid placing the docking station near strong electromagnetic interference sources.

8. SPECIFICATIONS

Feature	Detail
Model Number	M04B
Brand	FREEGENE (ACASIS)
Compatible SSD Types	M.2 NVMe (M Key / B+M Key), M.2 SATA (B+M Key)
Supported SSD Sizes	2230, 2242, 2260, 2280
Max Storage Capacity	Up to 8TB
Hardware Interface	USB 3.2 Type-C (Gen 2)
Data Transfer Rate	Up to 10 Gigabits Per Second (10Gbps)
Compatible Operating Systems	Windows XP/2000/7/8/10/Vista, Linux, macOS 10.3 or higher

Feature	Detail
Material	Aluminum Alloy, Plastic
Product Dimensions	1.93 x 1.93 x 0.47 inches (49 x 49 x 12 mm)
Item Weight	1.59 ounces (45 Grams)
UPC	714216233533

Slim and Compact

Work, play and back up anywhere you want



Length

49mm

Width

49mm

Height

12mm

Image: Compact size and dimensions of the docking station.

9. WARRANTY AND SUPPORT

This product is covered by a return policy allowing for refund or replacement within 30 days of purchase. For technical support or warranty inquiries, please contact ACASIS customer service.

- **Customer Service Email:** support@acasis.com

- **Service Availability:** 7x24 hours online service.



Image: ACASIS after-sales service contact details.

