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msi CUBINUC1M011

MSI Cubi NUC Desktop (1MG-011US) User Manual

Brand: MSI | **Model:** CUBINUC1M011

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MSI Cubi NUC Desktop.

1. Introduction

The MSI Cubi NUC Desktop is a compact and versatile mini PC designed for various computing needs. This manual will guide you through the essential steps to get started and utilize its features effectively.

2. Package Contents

Verify that all items are present in your product packaging:

- MSI Cubi NUC Desktop Unit
- Power Adapter
- Keyboard
- Mouse
- User Manual (this document)
- VESA Mount Kit (for monitor or wall mounting)
- HDMI Cable

3. Product Overview

3.1 Front View



Figure 3.1: Front view of the MSI Cubi NUC Desktop, showing USB ports, audio jack, and power button.

- **Power Button:** Press to power on or off the device.
- **USB 3.2 Gen2 Type-A Ports (x2):** For connecting USB devices. One port supports faster charging.
- **3.5mm Audio Jack (Mic-in/Headphone-out Combo):** For connecting headphones or a microphone.

3.2 Rear View



Figure 3.2: Rear view of the MSI Cubi NUC Desktop, displaying various connectivity ports.

- **DC Power Input:** Connect the provided power adapter here.
- **HDMI-out Ports (x2):** Connect to displays. Supports up to 4K@60Hz.
- **Thunderbolt 4 Ports (x2):** Supports DisplayPort 1.4 Alt-Mode (up to 4K@60Hz) and Power Delivery. One port supports PD-In up to 100W.
- **2.5G LAN Ports (x2):** For wired network connections.

- **USB 3.2 Gen2 Type-A Port (x1):** For connecting USB devices.
- **USB 2.0 Type-A Port (x1):** For connecting USB devices.
- **Kensington Lock Slot:** For physical security.

3.3 Side View



Figure 3.3: Side view of the MSI Cubi NUC Desktop, highlighting the Micro-SD Card Reader.

- **Micro-SD Card Reader:** For reading and writing to Micro-SD cards.

3.4 Internal Components

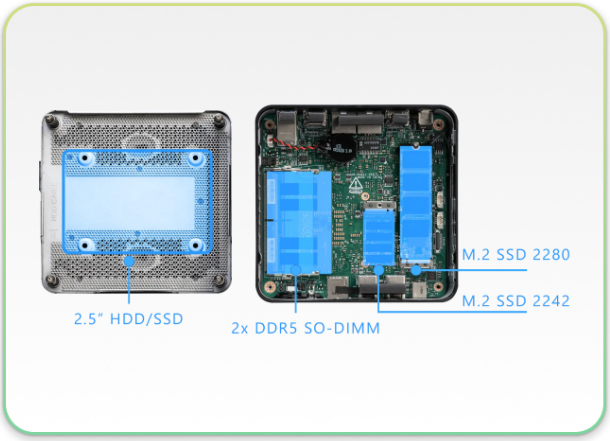


Figure 3.4: Diagram showing the internal layout, including M.2 SSD slots, DDR5 SO-DIMM slots, and a 2.5" HDD/SSD bay.

- **M.2 SSD Slots (x2):** For high-speed solid-state drives.
- **DDR5 SO-DIMM Slots (x2):** For system memory modules.
- **2.5" HDD/SSD Bay (x1):** For additional storage.

4. Setup

4.1 Connecting Peripherals

1. Connect your keyboard and mouse to the available USB Type-A ports on the front or rear of the Cubi NUC.
2. Connect your display(s) using the HDMI or Thunderbolt 4 ports. The device supports up to four displays.
3. For wired network access, connect an Ethernet cable to one of the 2.5G LAN ports.

4.2 Powering On

1. Connect the power adapter to the DC power input port on the rear of the Cubi NUC.
2. Plug the power adapter into a wall outlet.
3. Press the power button on the front of the device to turn it on.

MSI Power Link: If using a compatible MSI monitor, the Cubi NUC can be powered on using the power button on the monitor itself, simplifying your workspace.

4.3 VESA Mounting

The MSI Cubi NUC is VESA mountable, allowing it to be attached to the back of a monitor or a wall for a clutter-free workspace.



Figure 4.1: The MSI Cubi NUC Desktop mounted behind a monitor using the VESA mount.

1. Attach the VESA mount plate to the Cubi NUC using the provided screws.
2. Secure the Cubi NUC with the attached VESA mount to a compatible monitor or wall mount.

5. Operating Instructions

5.1 Windows 11 Home

Your MSI Cubi NUC comes pre-installed with Windows 11 Home. Follow the on-screen instructions during the initial boot-up to complete the operating system setup.

5.2 MSI Cloud Center

The MSI Cloud Center application allows for wireless backup and download of files between your PC, Android, and iOS devices, ensuring quick and secure data management.



Figure 5.1: Screenshot of the MSI Cloud Center interface.

5.3 MSI AI Engine

The MSI AI Engine learns from your usage behavior to optimize system adjustments in real-time. It automatically detects the user's application and adjusts the display mode accordingly, eliminating the need for manual settings.

Figure 5.2: Screenshot of the MSI AI Engine interface.

5.4 Security Features

The Cubi NUC includes dTPM 2.0 and Kensington Lock support for enhanced security. dTPM 2.0 provides hardware-based security functions, while the Kensington Lock slot allows for physical securing of the device.

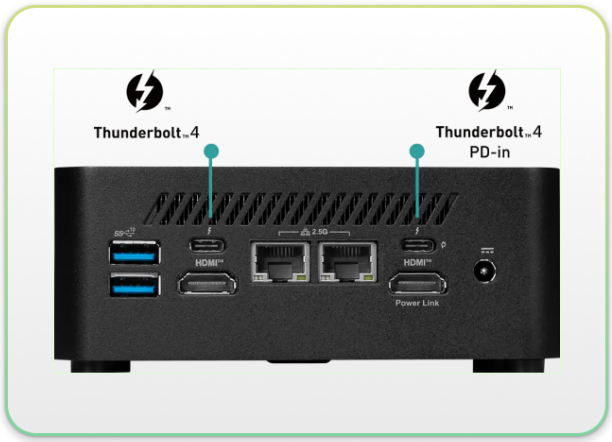


Figure 5.3: Visual representation of dTPM 2.0 and Kensington Lock for security.

6. Maintenance

6.1 Cleaning

To maintain optimal performance and longevity, regularly clean your Cubi NUC. Use a soft, dry cloth to wipe down the exterior. For vents, use compressed air to remove dust buildup. Ensure the device is powered off and unplugged before cleaning.

6.2 Storage and Memory Upgrades

The MSI Cubi NUC supports upgrades for both storage and memory. Refer to the internal components diagram (Figure 3.4) for slot locations.

- **Memory:** The device has two DDR5 SO-DIMM slots, allowing for memory upgrades up to 64GB.
- **Storage:** It features two M.2 SSD slots and one 2.5" HDD/SSD bay for expanding storage capacity.

Note: Opening the device for upgrades may affect your warranty. Consult MSI support or an authorized service center if you are unsure about the upgrade process.

7. Troubleshooting

If you encounter issues with your MSI Cubi NUC, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the device and the power outlet. Try a different outlet if available.
- **No Display:** Verify that your display cables (HDMI/Thunderbolt 4) are correctly connected to both the Cubi NUC and the monitor. Ensure the monitor is powered on and set to the correct input source.
- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure Wi-Fi 6E is enabled and you are connected to the correct network.
- **Slow Performance:** Close unnecessary applications. Check for available Windows updates. Consider upgrading RAM or SSD if performance issues persist.
- **Peripheral Not Detected:** Ensure USB devices are properly connected. Try a different USB port.

For further assistance, please contact MSI customer support.

8. Specifications

Feature	Detail
Processor	Intel Core 3-100U (3.3 GHz)
Memory	8 GB DDR5 (5200 MHz), 2x SO-DIMM slots (up to 64GB)
Storage	500 GB SSD (2x M.2 SSD slots, 1x 2.5" HDD/SSD bay)
Graphics	Intel UHD Graphics 630 (Integrated)
Operating System	Windows 11 Home
Wireless Connectivity	WiFi 6E, Bluetooth
LAN	Dual 2.5G LAN
I/O Ports (Front)	2x USB 3.2 Gen2 Type-A (one with fast charging), 1x Mic-in/Headphone-out Combo
I/O Ports (Rear)	2x HDMI-out, 2x Thunderbolt 4 (DP 1.4 Alt-Mode, PD-Out/PD-In), 2x 2.5G LAN, 1x USB 3.2 Gen2 Type-A, 1x USB 2.0 Type-A, 1x DC Jack, 1x Kensington Lock Slot
I/O Ports (Side)	1x Micro-SD Card Reader

Dimensions (LxWxH)	5.34 x 5.22 x 1.97 inches
Weight	3.55 pounds

9. Warranty and Support

Your MSI Cubi NUC Desktop (1MG-011US) comes with a**1-Year Warranty**. For warranty claims, technical support, or service inquiries, please contact MSI customer support or visit the official MSI website.

For the latest drivers, FAQs, and support resources, please visit theMSI Official Website.

10. Official Product Video

Watch the official product video for an overview of the MSI Cubi NUC Series features and benefits.

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Video 10.1: Official MSI Cubi NUC product overview.

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