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> [MSI Cubi N ADL Mini PC User Manual](#)

## MSI CubNADL021

# MSI Cubi N ADL Mini PC User Manual

Model: CubNADL021

## 1. INTRODUCTION

The MSI Cubi-N-ADL is a compact and versatile mini PC designed for various computing needs, offering a space-saving solution without compromising performance. It features Intel Processor N200 or N100 options for powerful processing, flexible storage with M.2 SSD and 2.5" HDD/SSD support, and extensive connectivity including USB, HDMI, and DisplayPort for up to three external displays. Enhanced security is provided through TPM support (dTPM 2.0). This mini PC is an ideal choice for both personal and business use, combining compact design, strong performance, flexible storage, extensive connectivity, and enhanced security features.



Image: The MSI Cubi N ADL Mini PC set up on a desk, highlighting its compact design suitable for business and productivity environments.

## 2. PACKAGE CONTENTS

Upon opening the package, please verify that all listed items are present and in good condition. The standard package for the MSI Cubi N ADL Mini PC includes:

- MSI Cubi N ADL Mini PC Unit

- Power Adapter and Cable
- HDMI Cable
- DisplayPort Cable
- Headphones (if bundled)
- Speakers (if bundled)
- Quick Start Guide / User Manual (this document)

*Note: Specific accessories may vary by region or retailer.*

### 3. PRODUCT OVERVIEW

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#### 3.1. Front View



Image: Front view of the MSI Cubi N ADL Mini PC, displaying the power button, USB ports, and audio jack.

#### 3.2. Rear View



Image: Rear view of the MSI Cubi N ADL Mini PC, showing the HDMI, DisplayPort, Ethernet, and additional USB ports.

### 3.3. Side View



Image: Side view of the MSI Cubi N ADL Mini PC, showcasing its compact form factor.

## 4. SETUP GUIDE

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Follow these steps to set up your MSI Cubi N ADL Mini PC:

1. **Unpack the PC:** Carefully remove the mini PC and all accessories from the packaging.
2. **Connect Display:** Connect your monitor(s) to the mini PC using an HDMI or DisplayPort cable. The Cubi N ADL supports up to three displays simultaneously.
3. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
4. **Connect to Network:** For wired internet, connect an Ethernet cable to one of the LAN ports. For wireless, ensure your Wi-Fi antenna is connected (if external) or that the internal Wi-Fi is enabled.
5. **Connect Power:** Plug the power adapter into the DC-in jack on the rear of the mini PC, then connect the power cable to an electrical outlet.

6. **Power On:** Press the power button located on the front of the mini PC. The system will boot up.
7. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro Entry setup, including language, region, network connection, and user account creation.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Power Management

- **Power On:** Press the power button on the front panel.
- **Shut Down:** Click the Start button in Windows, then select Power > Shut down.
- **Restart:** Click the Start button in Windows, then select Power > Restart.
- **Sleep:** Click the Start button in Windows, then select Power > Sleep.

### 5.2. Connecting to Displays

The MSI Cubi N ADL supports multiple displays for enhanced productivity. You can connect up to three displays simultaneously using the HDMI, DisplayPort, and USB 3.2 Gen 2 Type-C (DP Alternate) ports.

- Connect your primary monitor to the HDMI port.
- Connect a secondary monitor to the DisplayPort.
- For a third display, use a compatible USB-C to DisplayPort/HDMI adapter with the USB 3.2 Gen 2 Type-C port.

Once connected, right-click on the desktop and select "Display settings" to configure display modes (Extend, Duplicate, Second screen only).

### 5.3. Network Connectivity

The mini PC offers both wired and wireless network options:

- **Wired (Ethernet):** Connect an Ethernet cable to one of the two Gigabit LAN ports on the rear.
- **Wireless (Wi-Fi):** The system supports Wi-Fi for wireless internet access. To connect, click the network icon in the system tray, select your desired Wi-Fi network, enter the password, and click Connect.



Image: Diagram illustrating the dual LAN ports, enabling flexible network configurations such as private cloud access or internet connection.

## 6. I/O PORTS AND CONNECTORS

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The MSI Cubi N ADL Mini PC is equipped with a comprehensive array of input/output ports to support various peripherals and external devices. Refer to the diagram below for port identification:

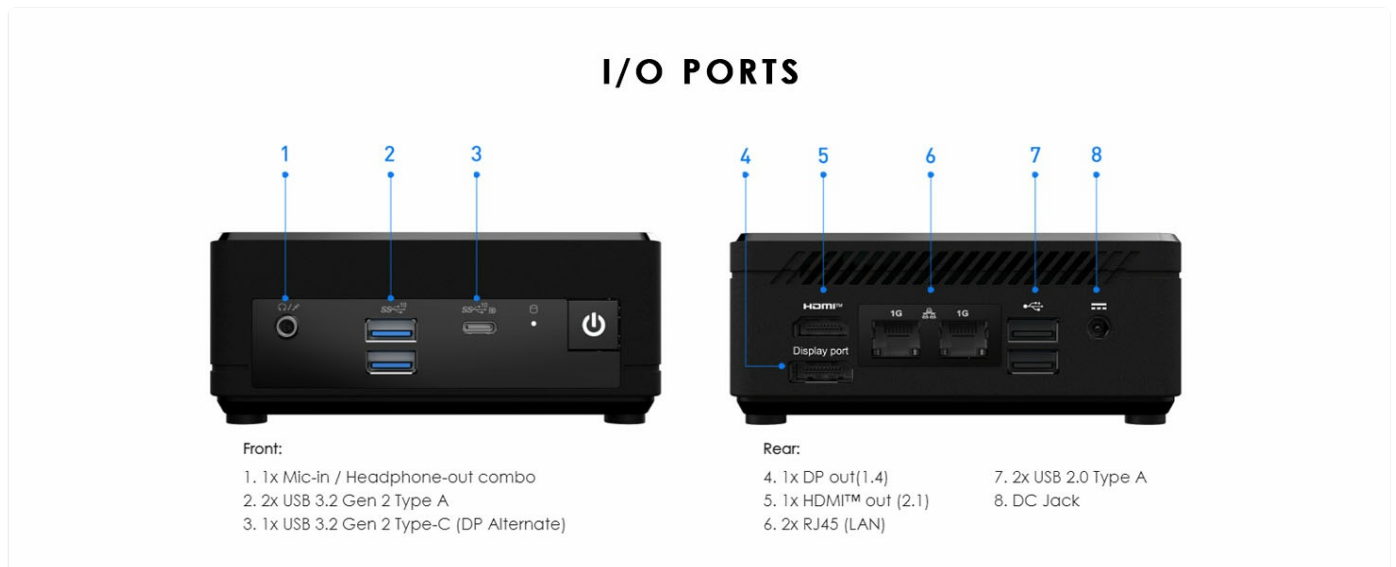


Image: Detailed diagram of the front and rear I/O ports on the MSI Cubi N ADL Mini PC.

## 6.1. Front Panel Ports

- **1x Mic-in / Headphone-out combo:** For connecting headsets or external microphones/speakers.
- **2x USB 3.2 Gen 2 Type-A:** High-speed USB ports for peripherals like external drives, keyboards, and mice.
- **1x USB 3.2 Gen 2 Type-C (DP Alternate):** Versatile port supporting data transfer, power delivery, and DisplayPort video output.
- **Power Button:** To turn the PC on/off.

## 6.2. Rear Panel Ports

- **1x DP out (1.4):** DisplayPort for connecting monitors.
- **1x HDMI™ out (2.1):** HDMI port for connecting monitors or TVs.
- **2x RJ45 (LAN):** Ethernet ports for wired network connection.
- **2x USB 2.0 Type-A:** Standard USB ports for general peripherals.
- **DC Jack:** For connecting the power adapter.

## 7. MAINTENANCE AND UPGRADES

The MSI Cubi N ADL is designed for easy maintenance and upgrades, allowing users to customize their system. Always ensure the PC is powered off and unplugged before performing any internal maintenance.

### 7.1. Component Upgrades

Users can easily upgrade the following components by disassembling the bottom cover:

- **SO-DIMM RAM:** The system supports one SO-DIMM slot for memory upgrades. Refer to the specifications for supported RAM types and maximum capacity.
- **M.2 SSD:** For primary storage, an M.2 SSD can be installed or upgraded.
- **2.5" HDD/SSD:** An additional 2.5-inch hard drive or solid-state drive can be added for expanded storage.

*Consult the detailed service manual (if available from MSI support) or professional assistance for complex upgrades.*

## 7.2. Cleaning

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid abrasive cleaners.
- **Vents:** Periodically use compressed air to clear dust from the ventilation grilles to ensure proper airflow and prevent overheating.

## 8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your MSI Cubi N ADL Mini PC.

Problem	Possible Cause	Solution
No power / System does not turn on.	Power cable not connected; Power adapter faulty; Power outlet issue.	Ensure power cable is securely connected to the PC and outlet. Test the power outlet with another device. Try a different power adapter if available.
No display on monitor.	Display cable loose/faulty; Incorrect input selected on monitor; Monitor off.	Check display cable connections. Ensure monitor is powered on and set to the correct input source (HDMI/DP). Test with a different monitor or cable.
No internet connection.	Ethernet cable loose; Wi-Fi disabled; Router issue; Driver issue.	For wired: Check Ethernet cable. For Wi-Fi: Ensure Wi-Fi is enabled in Windows settings. Restart router/modem. Update network drivers.
System runs slow.	Too many applications running; Low RAM; Full storage drive; Malware.	Close unnecessary applications. Consider upgrading RAM. Free up disk space. Run a full system scan for malware.

If the problem persists, please contact MSI customer support for further assistance.

## 9. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Cubi N ADL-021US
Processor	Intel Celeron N100 (3.4 GHz)
RAM	4 GB DDR4 (3200 MHz)
Storage	128 GB SSD (Solid State)
Graphics	Intel UHD Graphics 600 (Integrated)
Operating System	Windows 11 Pro Entry
Max Screen Resolution	3840 x 2160
USB Ports (Front)	2x USB 3.2 Gen 2 Type-A, 1x USB 3.2 Gen 2 Type-C (DP Alternate)
USB Ports (Rear)	2x USB 2.0 Type-A
Video Output	1x HDMI™ out (2.1), 1x DP out (1.4), 1x USB 3.2 Gen 2 Type-C (DP Alternate)

Feature	Specification
Network	2x RJ45 (LAN), Wi-Fi
Audio	1x Mic-in / Headphone-out combo
Dimensions (LxWxH)	8.7 x 19.92 x 18.46 inches
Weight	2.88 pounds
Color	Black



Image: The compact size of the MSI Cubi N ADL Mini PC, indicating its volume (0.66 Liter) and weight (0.54 KG).

## 10. WARRANTY AND SUPPORT

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MSI provides a limited warranty for the Cubi N ADL Mini PC. Please refer to the warranty card included in your package or visit the official MSI website for detailed warranty terms and conditions specific to your region.

### 10.1. Customer Support

For technical support, service inquiries, or to download the latest drivers and utilities, please visit the official MSI support website:

**MSI Official Website:** [www.msi.com](http://www.msi.com)

When contacting support, please have your product model number (CubNADL021) and serial number ready.

