msi CUBINADLS055B

MSI Cubi N ADL S-055BUS Barebone Mini PC User Manual

Model: CUBINADLS055B | Brand: MSI

1. Introduction

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MSI Cubi N ADL S-055BUS Barebone Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. Safety Information

- Ensure the power adapter is connected to a grounded electrical outlet.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Maintain adequate ventilation around the device to prevent overheating. Do not block ventilation openings.
- Avoid placing heavy objects on the device.
- Disconnect the power cable before cleaning or performing any maintenance.
- Only use accessories specified by the manufacturer.

3. Package Contents

Verify that all items are present in your package. If any item is missing or damaged, contact your retailer.

- MSI Cubi N ADL S-055BUS Barebone Mini PC
- Power Adapter
- Quick Start Guide (may vary by region)
- VESA Mount Kit (optional, may vary by region)

Note: As a barebone system, RAM, storage (SSD/HDD), and an operating system are not included and must be

purchased separately.

4. Product Overview

The MSI Cubi N ADL S-055BUS is a compact and versatile barebone mini PC designed for various computing needs. Its small form factor allows for flexible placement, including VESA mounting behind a monitor.



Figure 4.1: MSI Cubi N ADL Mini PC (Angled View)
This image shows an angled view of the MSI Cubi N ADL Mini PC, highlighting its compact size and the textured design on its top panel. The front panel ports are partially visible.



Figure 4.2: MSI Cubi N ADL Mini PC (Top-Down Angled View)
This image provides a top-down angled view of the MSI Cubi N ADL Mini PC, emphasizing the unique textured pattern on its top surface and its overall sleek, black design.

4.1 Front Panel



Figure 4.3: Front Panel Ports
This image displays a close-up front view of the MSI Cubi N ADL Mini PC, clearly showing the power button, USB ports, and audio jack for easy access.

- **Power Button:** Press to turn the system on or off.
- **Audio Jack (Headphone/Microphone Combo):** Connect headphones or a headset.
- **USB 3.2 Gen 2 Type-A Ports (x2):** Connect USB devices such as keyboards, mice, or external storage.
- **USB 3.2 Gen 2 Type-C Port (x1):** Connect compatible USB-C devices.

4.2 Rear Panel



Figure 4.4: Rear Panel Ports
This image shows the rear panel of the MSI Cubi N ADL Mini PC, detailing the HDMI, DisplayPort, dual Ethernet ports, additional USB ports, and the power input connector.

- **HDMI Port:** Connect to a display device (monitor, TV) via an HDMI cable.
- **DisplayPort:** Connect to a display device via a DisplayPort cable.
- **Gigabit Ethernet Ports (x2):** Connect to a wired network using an Ethernet cable.
- **USB 2.0 Type-A Ports (x2):** Connect USB devices.
- **DC-in Jack:** Connect the power adapter.

5. Setup

5.1 Installing Internal Components

As a barebone system, you will need to install RAM and storage before first use. Refer to the detailed instructions provided in the separate hardware installation guide or MSI's official support website for specific steps.

- **RAM Installation:** Install DDR4 SO-DIMM memory modules into the available slots.
- **Storage Installation:** Install an M.2 NVMe SSD and/or a 2.5-inch SATA SSD/HDD.

5.2 Connecting Peripherals

1. **Connect Display:** Connect your monitor(s) to the HDMI and/or DisplayPort on the rear panel.
2. **Connect USB Devices:** Plug in your keyboard, mouse, and any other USB peripherals into the available USB ports (front or rear).
3. **Connect Network:** For a wired connection, plug an Ethernet cable into one of the Gigabit Ethernet ports. For wireless, ensure any external Wi-Fi antennas are connected (if applicable).
4. **Connect Power:** Plug the power adapter into the DC-in jack on the rear panel, then plug the power cord into a grounded electrical outlet.

5.3 First Boot and Operating System Installation

1. **Power On:** Press the power button on the front panel.
2. **BIOS/UEFI Setup:** During startup, press the designated key (usually**Del** or **F2**) to enter the BIOS/UEFI settings. Configure boot order and other necessary settings.
3. **Operating System Installation:** Insert your operating system installation media (USB drive) and follow the on-screen instructions to install your preferred OS (e.g., Windows, Linux).
4. **Driver Installation:** After OS installation, install all necessary drivers, which can typically be found on the MSI support website for your model.

6. Operating Instructions

6.1 Powering On/Off

- **To Power On:** Press the power button on the front panel.
- **To Power Off:** Use the operating system's shutdown function. For a forced shutdown, press and hold the power button for 5-7 seconds.

6.2 Network Connectivity

- **Wired Network:** Connect an Ethernet cable to one of the rear Gigabit Ethernet ports. The system will automatically detect the connection.
- **Wireless Network:** Ensure Wi-Fi drivers are installed. Access your operating system's network settings to connect to an available Wi-Fi network.

6.3 Dual Display Setup

The MSI Cubi N ADL supports dual display output via its HDMI and DisplayPort connections. Connect two monitors to these ports, and then configure the display settings within your operating system to extend or duplicate your desktop.



Figure 6.1: Dual Monitor Setup Example
This image illustrates a user working with the MSI Cubi N ADL Mini PC connected to two external monitors, demonstrating its capability for multi-display productivity.

7. Maintenance

7.1 Cleaning

- Use a soft, dry cloth to wipe the exterior of the device.
- For stubborn stains, lightly dampen the cloth with water or a mild, non-abrasive cleaner.
- Use compressed air to clear dust from ventilation openings periodically.

7.2 Software Updates

- Regularly update your operating system to ensure security and performance.
- Check the MSI official website for the latest BIOS and driver updates for your model. Keeping drivers updated can resolve compatibility issues and improve system stability.

8. Troubleshooting

If you encounter issues with your MSI Cubi N ADL Mini PC, refer to the following common troubleshooting steps:

Problem	Possible Solution
No power	Ensure the power adapter is securely connected to both the PC and a working electrical outlet. Test the outlet with another device.
No display on monitor	Check display cable connections (HDMI/DisplayPort) at both the PC and the monitor. Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.

Problem	Possible Solution
System does not boot	Verify that RAM and storage devices are correctly installed. Check BIOS/UEFI settings for correct boot order. Reinstall the operating system if necessary.
Network connectivity issues	For wired: Check Ethernet cable and router/modem. For wireless: Ensure Wi-Fi is enabled in the OS and drivers are installed. Restart router/modem.
Slow performance	Check for background processes, update drivers, ensure sufficient free storage space, and consider upgrading RAM if frequently running demanding applications.

If the problem persists after attempting these solutions, please contact MSI customer support.

9. Specifications

The following table outlines the key technical specifications for the MSI Cubi N ADL S-055BUS Mini PC. Specifications are subject to change without notice.

Feature	Specification
Processor	Intel Celeron N100 (1.1 GHz)
Graphics	Intel UHD Graphics 630 (Integrated)
RAM Type	DDR4 SO-DIMM (Barebone, up to 16GB supported)
Storage Support	M.2 SSD, 2.5" HDD/SSD (Barebone)
Wireless Connectivity	802.11ax (Wi-Fi 6), Bluetooth
Video Output	HDMI, DisplayPort (Dual Display Support)
USB Ports (Front)	2x USB 3.2 Gen 2 Type-A, 1x USB 3.2 Gen 2 Type-C
USB Ports (Rear)	2x USB 2.0 Type-A
Network	2x Gigabit Ethernet
Audio	1x Headphone/Microphone Combo Jack
Dimensions (LxWxH)	4.41 x 4.57 x 1.77 inches
Weight	1.45 pounds
Operating System	Windows (Supported, not included)

10. Warranty and Support

MSI products are covered by a limited warranty. The specific terms and duration of your warranty may vary by region and product. Please retain your proof of purchase for warranty claims.
For detailed warranty information, technical support, driver downloads, and FAQs, please visit the official MSI support website:

MSI Official Support

You may also contact MSI customer service directly for assistance with product issues or inquiries.

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