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MINISFORUM UM760 Slim

MINISFORUM DeskMini UM760 Slim Mini PC User Manual

Model: UM760 Slim

1. PRODUCT OVERVIEW

The MINISFORUM DeskMini UM760 Slim is a compact and powerful mini PC designed for various computing tasks, from light gaming and image editing to office work and multimedia consumption. It features an AMD Ryzen 5 7640HS processor, advanced display outputs, and versatile connectivity options.



Figure 1.1: Front view of the MINISFORUM DeskMini UM760 Slim Mini PC.

Key Features:

- **Processor:** AMD Ryzen 5 7640HS (6 Cores/12 Threads, up to 5.0GHz) for smooth performance in demanding applications.
- **Graphics:** Integrated AMD Radeon 760M Graphics (2600MHz) supporting light gaming and multimedia.
- **Display Output:** Supports up to three independent displays with 8K@60Hz via HDMI 2.1 and USB4, and 4K@60Hz via DisplayPort.
- **Network:** Equipped with 2.5G RJ45 Ethernet, WiFi 6E, and Bluetooth 5.3 for stable and fast network connectivity.
- **Expandable Storage:** Features 2x SODIMM slots for DDR5 RAM (up to 48GB per slot) and 2x M.2 2280 PCIe4.0 SSD slots (up to 2TB each).
- **Versatile Connectivity:** Includes HDMI 2.1, USB4, DisplayPort 1.4, USB 3.2, USB 2.0, 2.5G LAN, and a 3.5mm audio jack.

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Video 1.1: A short introduction to the MINISFORUM UM760 Slim Mini PC, highlighting its features and compact design.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x UM760 Slim Mini PC

- 1x HDMI Cable
- 1x US Power Adapter
- 1x Manual (this document)



Figure 2.1: Illustration of the items included in the MINISFORUM DeskMini UM760 Slim package.

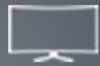
3. SETUP GUIDE

3.1 Initial Connection

1. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The device supports HDMI 2.1, DisplayPort 1.4, and USB4 for video output.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 2.0 or USB 3.2 ports.
3. **Connect to Network:** For a wired connection, connect an Ethernet cable to the 2.5G LAN port. For wireless, ensure your WiFi network is available after powering on.
4. **Connect Power:** Plug the US Power Adapter into the DC 19V port on the Mini PC, then connect it to a power outlet.
5. **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.

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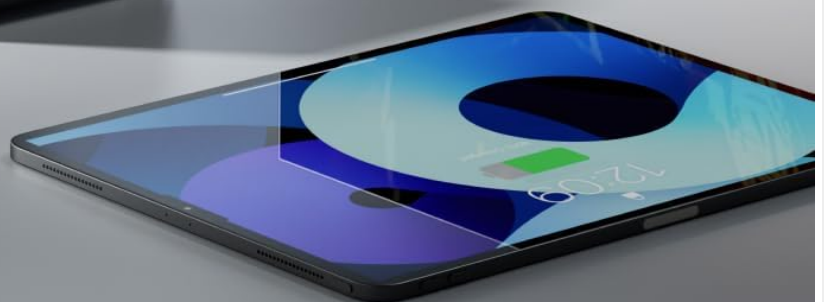


Figure 3.1: Overview of the input/output interfaces on the MINISFORUM DeskMini UM760 Slim.

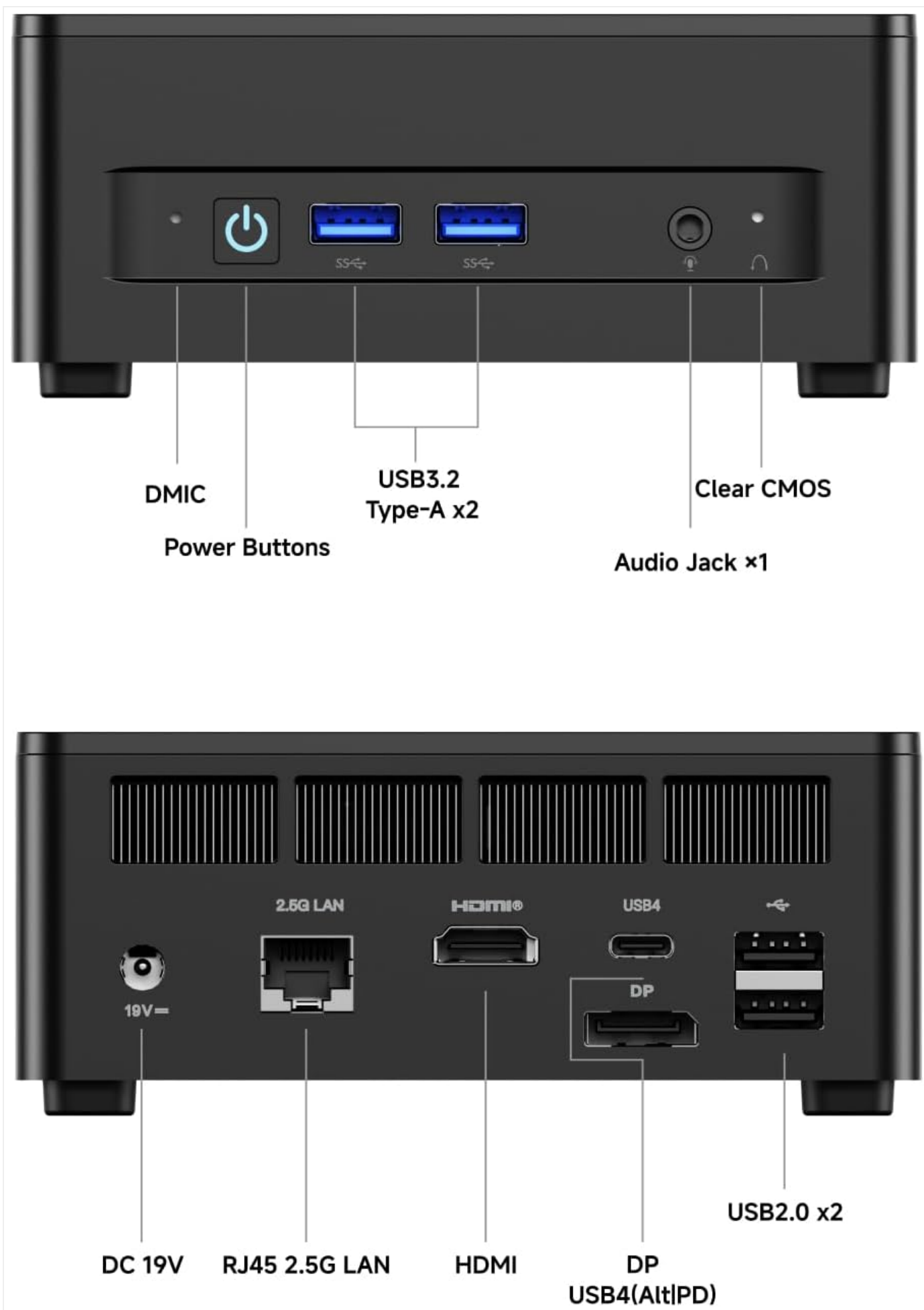


Figure 3.2: Detailed view of the front and rear ports, including power button, USB ports, audio jack, LAN, HDMI, DP, and USB4.

3.2 Multi-Display Setup

The UM760 Slim supports connecting up to three independent displays simultaneously. Use a combination of the HDMI 2.1, DisplayPort 1.4, and USB4 ports to achieve your desired multi-monitor setup. Ensure your monitors support the desired resolutions (up to 8K@60Hz for HDMI/USB4, 4K@60Hz for DisplayPort).



Figure 3.3: Example of a triple monitor setup using the MINISFORUM DeskMini UM760 Slim.

4. OPERATING INSTRUCTIONS

4.1 Power Management

- **Power On:** Press the power button on the front panel.
- **Shut Down:** Use the operating system's shutdown function. Do not unplug the power adapter directly without proper shutdown to prevent data loss.
- **Sleep Mode:** The system can enter sleep mode to save power. Wake it by pressing the power button or moving the mouse/keyboard.

4.2 USB4 Port Functionality

The USB4 port on the UM760 Slim supports up to 40Gbps data transfer, 8K@60Hz display output, and 65-100W power delivery input to the host. It can also provide 15W external output power supply function for compatible devices.



5. MAINTENANCE AND UPGRADES

The MINISFORUM DeskMini UM760 Slim is designed for easy maintenance and upgrades. You can expand its memory (RAM) and storage (SSD) to enhance performance and capacity.

5.1 Opening the Chassis

To access internal components for upgrades or maintenance, follow these steps:

1. Ensure the Mini PC is powered off and disconnected from all power sources and peripherals.
2. Locate the four rubber feet on the bottom of the device. Carefully peel them off to reveal the screws underneath.
3. Use a Phillips head screwdriver to loosen the four screws.
4. Gently slide the bottom cover off. Be mindful of any connected cables, such as the power cable for the SSD bay.

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Video 5.1: An unboxing and internal component access guide for the UM760 Slim, demonstrating how to open the chassis and access RAM/SSD slots.

5.2 RAM Upgrade

The UM760 Slim has two SODIMM slots for DDR5 RAM, supporting up to 48GB per slot (96GB total). To upgrade or install RAM:

1. With the chassis open, locate the SODIMM slots.
2. If replacing existing RAM, gently push the clips on both sides of the module outwards to release it. The module will pop up at an angle. Carefully pull it out.
3. Align the notch on the new DDR5 SODIMM module with the notch in the slot. Insert the module at a 45-degree angle.
4. Press down firmly on the module until the clips on both sides snap into place, securing the RAM.



Figure 5.1: Close-up view of the DDR5 SODIMM slots for memory upgrades.

5.3 SSD Upgrade

The Mini PC features two M.2 2280 PCIe4.0 SSD slots, each supporting up to 2TB. To install or upgrade an SSD:

1. With the chassis open, locate the M.2 SSD slots.
2. If replacing an existing SSD, remove the small screw holding it in place and gently pull the SSD out.
3. Insert the new M.2 2280 PCIe4.0 SSD into an available slot, ensuring the notch aligns correctly.
4. Gently push the SSD down and secure it with the small screw.



Figure 5.2: Close-up view of the M.2 PCIe4.0 SSD slots for storage expansion.

5.4 Reassembling the Chassis

After performing any upgrades or maintenance:

1. Carefully re-connect any cables that were disconnected (e.g., SSD power cable).
2. Align the bottom cover with the chassis and slide it back into place.
3. Tighten the four screws securely.
4. Re-attach the rubber feet over the screw holes.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/System does not turn on.	Power adapter not connected properly; Power outlet issue; Faulty power adapter.	Ensure power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet or power adapter if available.
No display output.	Display cable loose/faulty; Incorrect input selected on monitor; Monitor issue.	Check display cable connections. Ensure the correct input source is selected on your monitor. Test with a different monitor or cable if possible.
No internet connection (wired).	Ethernet cable loose/faulty; Router/modem issue; Network driver issue.	Verify Ethernet cable is securely connected. Restart your router/modem. Check network adapter settings in the operating system.

Problem	Possible Cause	Solution
No Wi-Fi connection.	Wi-Fi disabled; Incorrect Wi-Fi password; Router issue; Driver issue.	Ensure Wi-Fi is enabled in the operating system. Double-check your Wi-Fi password. Restart your router. Update Wi-Fi drivers.
System slow or unresponsive.	Too many applications running; Insufficient RAM/Storage; Overheating.	Close unnecessary applications. Consider upgrading RAM or SSD. Ensure proper ventilation and clean dust from vents.

7. SPECIFICATIONS

Feature	Specification
Brand	MINISFORUM
Model	UM760 Slim
Processor	AMD Ryzen 5 7640HS (6C/12T, up to 5.0GHz)
Graphics Coprocessor	AMD Radeon 760M (Graphics Frequency 2600MHz)
RAM	16 GB DDR5 (2x SODIMM slots, expandable to 96GB)
Memory Speed	4800 MHz
Storage	1 TB PCIe4.0 SSD (2x M.2 2280 slots, expandable to 4TB total)
Operating System	OS (Typically Windows 11 Pro)
Video Output	1x HDMI 2.1 (8K@60Hz), 1x USB4 (8K@60Hz), 1x DisplayPort 1.4 (4K@60Hz)
USB Ports	2x USB 3.2, 2x USB 2.0, 1x USB4
Network	2.5G RJ45 LAN, WiFi 6E (802.11ax), Bluetooth 5.3
Audio	1x 3.5mm Audio Jack
Dimensions	7.13 x 6.42 x 4.49 inches (Package)
Weight	3.14 pounds (Item)

8. WARRANTY AND SUPPORT

MINISFORUM products come with a standard manufacturer's warranty. For specific warranty terms, duration, and support inquiries, please refer to the warranty card included in your product packaging or visit the official MINISFORUM website.

When contacting support, please have your product model (UM760 Slim) and serial number ready. The serial number is typically located on a sticker on the bottom or side of the Mini PC.

For additional resources and frequently asked questions, you may visit the [MINISFORUM Store on Amazon](#).

