MINISFORUM NAB9

MINISFORUM NAB9 Mini PC Instruction Manual

Brand: MINISFORUM | Model: NAB9

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MINISFORUM NAB9 Mini PC. The NAB9 is a compact desktop computer designed for high performance, featuring an Intel Core i9-12900HK processor, extensive connectivity, and expandable storage options. Please read these instructions carefully to ensure optimal performance and longevity of your device.

Image: The MINISFORUM NAB9 Mini PC, a compact silver desktop computer.

2. PACKAGE CONTENTS

Before you begin, please verify that all items are present in your package:

- 1x NAB9 Mini PC
- 1x HDMI Cable
- 1x US Power Adapter
- 1x User Manual (this document)
- 1x SATA Cable (for 2.5-inch HDD)

3. SETUP GUIDE

3.1 Connecting Peripherals

1. **Power Connection:** Connect the US Power Adapter to the DC 19V port on the rear of the Mini PC, then plug

it into a power outlet.

2. **Display Connection:** Connect your monitor(s) using the provided HDMI cable or a USB-C cable. The NAB9 supports up to four 4K@60Hz displays via its 2x HDMI and 2x USB-C ports.

3. **USB Devices:** Connect your keyboard, mouse, and other USB peripherals to the available USB 3.2 Gen 2 (10Gbps) ports.

4. **Network Connection:** For wired internet, connect an Ethernet cable to one of the dual 2.5G LAN ports. For wireless, the device supports WiFi6E and Bluetooth 5.2.

5. **Audio:** Connect headphones or speakers to the 3.5mm audio jack on the front panel.

Dual 2.5Gbps LAN Port

Enjoy an extraordinary experience with ultra–high–speed network transmission

2.5Gbps

2.5Gbps

1000Mbps

Image: Detailed view of the front and rear ports of the MINISFORUM NAB9 Mini PC, showing USB, HDMI, LAN, and audio connections.

3.2 Initial Power On

Press the power button on the front panel to turn on the Mini PC. As this is a barebone version, an operating system is not pre-installed. You will need to install your preferred operating system (e.g., Windows, Linux) to begin using the device.

4. OPERATING INSTRUCTIONS

4.1 Multi-Display Setup

The NAB9 supports up to four independent displays simultaneously. Connect your displays to the available HDMI and USB-C ports. Once connected, configure your display settings within your operating system to extend or duplicate your desktop.

Cinematic Quad 4K Display

NAB9 has two USB–C ports and two HDMI ports for a quad–display multitasking solution

USB-C (4K@60Hz)

USB-C (4K@60Hz)

HDMI (4K@60Hz)

HDMI (4K@60Hz)

Image: A setup demonstrating the MINISFORUM NAB9 Mini PC connected to four 4K displays for an extended desktop experience.

4.2 Network Configuration

Utilize the dual 2.5Gbps LAN ports for high-speed wired network connections, ideal for network-intensive tasks or setting up network appliances like firewalls. For wireless convenience, connect to your WiFi6E network via the built-in wireless module. Bluetooth 5.2 allows for seamless connection to wireless peripherals.

Rich Interface

Quad 4K@60Hz Display

New thermal system

Intel Core i9-12900HK
14 Cores/20 Threads

PCIe4.0 SSD

DDR4-3200

2 x RJ45

Image: Rear view of the MINISFORUM NAB9 Mini PC, highlighting the dual 2.5G LAN ports and other connectivity options.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to maintain optimal airflow and prevent overheating. Do not use liquid cleaners directly on the device.
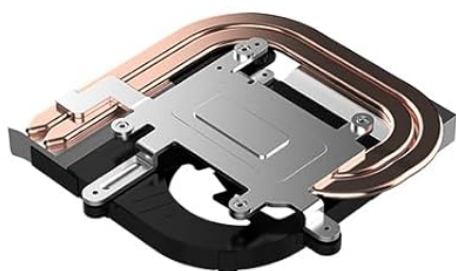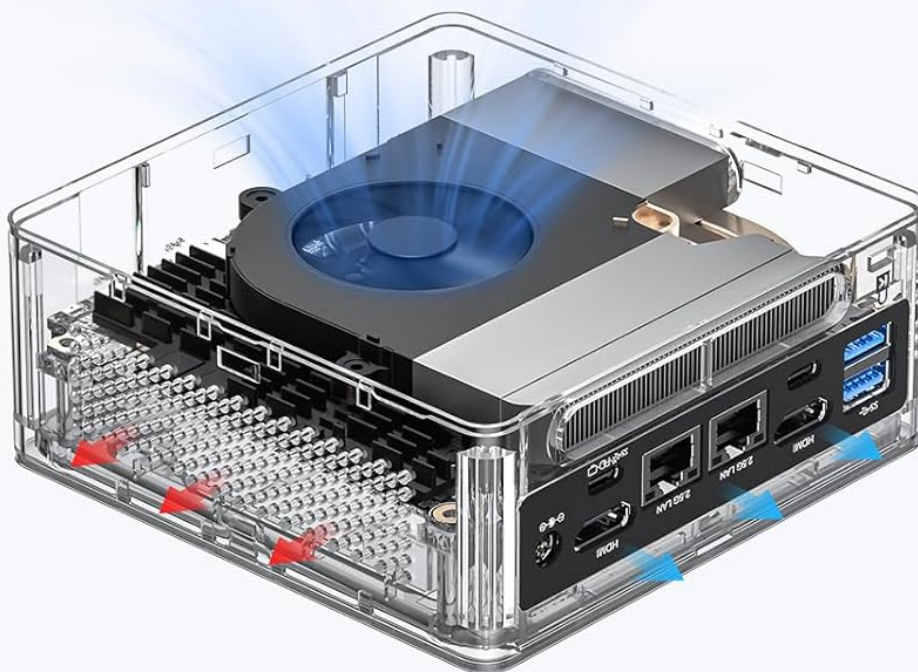
5.2 Hardware Upgrades

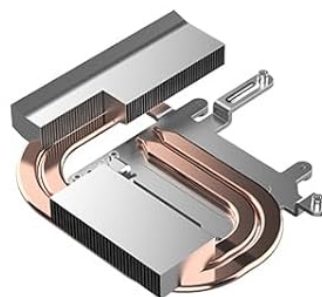The NAB9 Mini PC offers flexible upgrade options:

- **RAM:** Dual DDR4 SODIMM slots support up to 64GB RAM. To upgrade, gently press the top cover to open it, then carefully insert or replace the RAM modules.
- **M.2 SSD:** An M.2 2280 PCIe 4.0 SSD slot supports up to 2TB for ultra-fast storage.
- **2.5-inch SATA HDD:** A dedicated 2.5-inch SATA HDD bay allows for additional storage (e.g., for movies, photos) using the included SATA cable.

New Heat Dissipation System

Completely solve the problem of heat accumulation in the memory hard disk

Active SSD heatsink
more powerful and stable

Dual copper heat pipes
Quickly absorbs & dissipates heat

Image: Internal view of the MINISFORUM NAB9 Mini PC, showing the RAM slots, M.2 SSD slot, and heat sink components.

New Heat Dissipation System

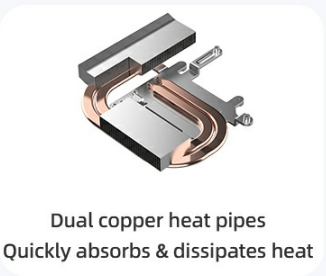Completely solve the problem of heat accumulation
in the memory hard disk

**Active SSD heatsink
more powerful and stable**

**Dual copper heat pipes
Quickly absorbs & dissipates heat**

*Image: Diagram illustrating the new heat dissipation system of the NAB9, featuring dual heat pipes and double air
outlets for efficient cooling.*

6. TROUBLESHOOTING

6.1 No Display Output

- Ensure all display cables (HDMI, USB-C) are securely connected to both the Mini PC and the monitor.
- Verify the monitor is set to the correct input source.
- Test with a different cable or monitor if possible.

6.2 Network Connectivity Issues

- For wired connections, check the Ethernet cable and router status.
- For wireless connections, ensure WiFi is enabled and you are connected to the correct network with the right password.
- Restart your router and the Mini PC.

6.3 Slow Performance

- Check for background applications consuming excessive resources.
- Ensure your operating system and drivers are up to date.
- Verify sufficient free storage space on your primary drive.
- Consider upgrading RAM or SSD if performance issues persist during demanding tasks.

7. SPECIFICATIONS

Feature	Detail
Processor	Intel Core i9-12900HK (14 Cores/20 Threads, up to 5GHz)
Graphics	Intel Iris Xe Graphics eligible (Frequency 1.45GHz)
Memory	Dual DDR4 SODIMM Slots (Supports up to 64GB RAM)
Storage	1x M.2 2280 PCIe 4.0 SSD Slot (up to 2TB), 1x 2.5-inch SATA HDD Bay

Video Output	2x HDMI (4K@60Hz), 2x USB-C (4K@60Hz) - Quad Display Support
Networking	2x 2.5G LAN ports, WiFi6E, Bluetooth 5.2
USB Ports	4x USB 3.2 Gen 2 (10Gbps)
Audio	1x 3.5mm jack
Dimensions (LxWxH)	5 x 5 x 2.15 inches
Weight	2.86 pounds

8. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: An introduction to the MINISFORUM NAB9 Mini PC, showcasing its features and design.

9. WARRANTY AND SUPPORT

MINISFORUM products are covered by a manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official MINISFORUM website or contact their customer support directly.

- **Official Website:** www.minisforum.com
- **Email Support:** support@minisforum.com