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MINISFORUM N40

MINISFORUM N40 Mini PC Instruction Manual

Model: N40 | Brand: MINISFORUM

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your MINISFORUM N40 Mini PC. Please read this manual carefully before using the product to ensure proper function and longevity. The MINISFORUM N40 is a compact, fanless desktop computer designed for efficiency and silent operation, suitable for various applications including office work, home theater, and digital signage.

2. PRODUCT OVERVIEW

Key Features

- **N4020 Processor:** Equipped with Intel Celeron N4020 processor for efficient internet and office applications.
- **Fanless and Silent Design:** Energy-efficient components and cooling elements ensure silent operation and smooth 4K video playback.
- **Large Capacity:** 4GB RAM + 64GB eMMC with expandable SSD capacity (M.2 2242 SATA SSD slot, up to 1TB).
- **Connectivity:** Gigabit Ethernet LAN 1000M, Dual Band WiFi (802.11 ac), and Bluetooth.
- **Dual Screen Support:** HDMI 1.2a and VGA ports for connecting two displays, supporting up to 4K@60Hz UHD output via HDMI.
- **Auto Power On:** Supports automatic power on after power failure.

Package Contents

- 1x Minisforum N40 Mini PC
- 1x US Power adapter
- 1x HDMI Cable
- 1x Manual

Product Dimensions and Weight

The MINISFORUM N40 Mini PC measures approximately 4.72 x 4.72 x 1.14 inches (LxWxH) and weighs about 1.39 pounds, making it highly portable and space-saving.



Figure 1: Front view of the MINISFORUM N40 Mini PC, showing USB ports and power button.



Figure 2: Detailed dimensions of the MINISFORUM N40 Mini PC from multiple angles.

Ultra Mini and super powerful

Super mini but powerful, does not occupy space, but can meet your office and entertainment needs



Figure 3: Size comparison of the MINISFORUM N40 Mini PC with a smartphone, highlighting its ultra-compact design.

3. SETUP

Connecting to Display

The MINISFORUM N40 Mini PC supports dual display output via its HDMI and VGA ports. Connect your monitor(s) to the corresponding ports on the back of the device.

HDMI & VGA Ports Support Two Displays Screen

HDMI2.0a port greatly improves 4k resolution output,
give you 4k@60Hz UHD.



Figure 4: Rear view of the Mini PC, illustrating the HDMI and VGA ports for display connections. The HDMI port supports up to 4K@60Hz UHD resolution.

Powering On

Connect the US Power adapter to the DC-in port on the Mini PC and then to a power outlet. Press the power button on the front of the device to turn it on. The N40 Mini PC supports Power On after Power Failure, meaning it can automatically restart after a power interruption.

Video 1: Official MINISFORUM N40 Windows 10 Pro Mini PC overview, demonstrating its compact size and connectivity options for home use.

Storage Expansion

The MINISFORUM N40 comes with 64GB eMMC storage. For additional storage, you can install an M.2 2242 SATA SSD (up to 1TB) or utilize the SD Card Slot (up to 128GB).



Figure 5: Internal view of the Mini PC, highlighting the M.2 2242 SATA SSD slot and SD card slot for storage expansion.

4. OPERATING INSTRUCTIONS

Operating System

The MINISFORUM N40 Mini PC comes pre-installed with Windows 10 Home. It also supports Linux systems, though specific Linux distributions may require additional configuration. The Celeron N4020 processor provides excellent performance for internet browsing and office applications.

Video 2: Official MINISFORUM N40 Mini PC promotional video, showcasing its various applications and compact form factor.

Connectivity

The Mini PC features Dual Band WiFi (802.11ac) for wireless internet access and a Gigabit Ethernet LAN (1000M) port for wired connections. It also includes multiple USB ports (2x USB 2.0, 1x USB 3.0) for connecting peripherals.

Watch Movies and Play Games

2.4G+5G dual-band WiFi, built-in Gigabit Ethernet
Transfer and download faster



WiFi
2.4G+5G

+

Gigabit Ethernet
1000Mb/s
Maximum theoretical
downlink speed

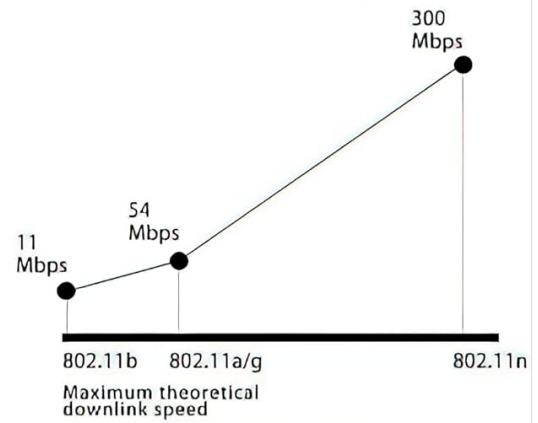


Figure 6: Illustration of the Mini PC's wireless and wired connectivity options, including Dual Band WiFi and Gigabit Ethernet.

Dual Display Support

Utilize the HDMI and VGA ports simultaneously to extend your desktop across two screens, enhancing productivity for work or providing an immersive viewing experience for entertainment.

Fanless Mini PC



Education



Video Conference



Printer



Digital Billboard



Office



Home Theater

Figure 7: The Mini PC connected to two monitors, demonstrating its dual display capabilities for various work and entertainment scenarios.

5. MAINTENANCE

Fanless Design

The MINISFORUM N40 features a fanless design, which means it operates silently and has no moving parts for cooling. This design relies on efficient heat dissipation through its casing and internal heat sinks.

Fan less cooling system

Omnidirectional heat dissipation system,
stable operation performance



Figure 8: Internal view of the Mini PC, illustrating its fanless cooling system with heat dissipation elements.

System Recovery

In the event of an operating system crash or if the product cannot turn on, do not unplug the power adapter directly. Instead, press the reset jack with a pin for 30 seconds. The device will automatically restart.

6. TROUBLESHOOTING

Issue	Solution
Operating system crashes or device won't turn on.	Press the reset jack with a pin for 30 seconds to force a restart. Do not unplug the power adapter directly.
Noisy operation.	The device is fanless and should be silent. Ensure it is placed in a well-ventilated area and not obstructed. If noise persists, contact support.

Issue	Solution
Linux system not supported.	Note that the N40 model specifically does not support Linux systems. Please ensure you are using a compatible operating system.

7. SPECIFICATIONS

Feature	Detail
Brand	MINISFORUM
Model	N40
Processor	Intel Celeron N4020 (2.8 GHz)
RAM	4 GB DDR4
Internal Storage	64 GB eMMC
Expandable Storage	M.2 2242 SATA SSD Slot (up to 1TB), SD Card Slot (up to 128GB)
Graphics Coprocessor	Intel UHD Graphics 600
Max Screen Resolution	3840x2160 Pixels
Wireless Type	802.11ac (Dual Band WiFi)
Ethernet	1000M LAN
USB Ports	2x USB 2.0, 1x USB 3.0
Video Output	HDMI & VGA
Operating System	Windows 10 Home
Item Weight	1.39 pounds
Product Dimensions	4.72 x 4.72 x 1.14 inches

8. WARRANTY AND SUPPORT

The MINISFORUM N40 Mini PC has obtained FCC, CE, ROHS, and C-TICK certifications, ensuring compliance with relevant safety and quality standards. For any product-related inquiries, technical assistance, or warranty claims, please contact MINISFORUM customer support through their official channels.

