MOREFINE M9S

MOREFINE M9S Mini PC User Manual

MODEL: M9S - 12TH GEN ALDERLAKE N305 MINI PC

1. Introduction

This user manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your MOREFINE M9S Mini PC. Designed for versatility, this compact desktop computer is equipped with a 12th Gen Alder Lake N305 processor, 8GB DDR5 4800MHz RAM, and a 256GB M.2 NVME SSD, making it suitable for a wide range of applications from office productivity to home entertainment and light gaming.

The M9S Mini PC supports WiFi6 and BT5.2 for stable, high-speed wireless connectivity, and offers triple display output for enhanced multitasking. Its ultra-small form factor and VESA mount compatibility allow for flexible placement in various environments.

2. Setup

2.1. Package Contents

Before proceeding with the setup, please verify that all items listed below are included in your package:

- MOREFINE M9S Mini PC Unit
- 36W USB-C Power Supply
- EU Plug Adapter
- HDMI Cable
- VESA Mounting Bracket
- Screws for VESA Mount
- Quick Start Guide

Image: The MOREFINE M9S Mini PC alongside its power adapter, HDMI cable, VESA mount, and quick guide.

For a visual overview of the packaging and port layout, please refer to the official product video below:

Video: This video provides a first look at the MOREFINE M9S Mini PC, detailing its packaging contents and the arrangement of its various ports.

2.2. Connecting Peripherals

Connect your monitor(s), keyboard, mouse, and other desired peripherals to the Mini PC. The M9S offers a comprehensive set of ports:

- USB 3.2 x 2
- USB 2.0 x 2
- HDMI 2.1 x 1 (supports 4K@60Hz)
- DisplayPort 1.4 x 1 (supports 4K@60Hz)
- Type-C x 1 (supports 4K@60Hz display output and 12V/3A power input)
- 3.5mm Audio Jack
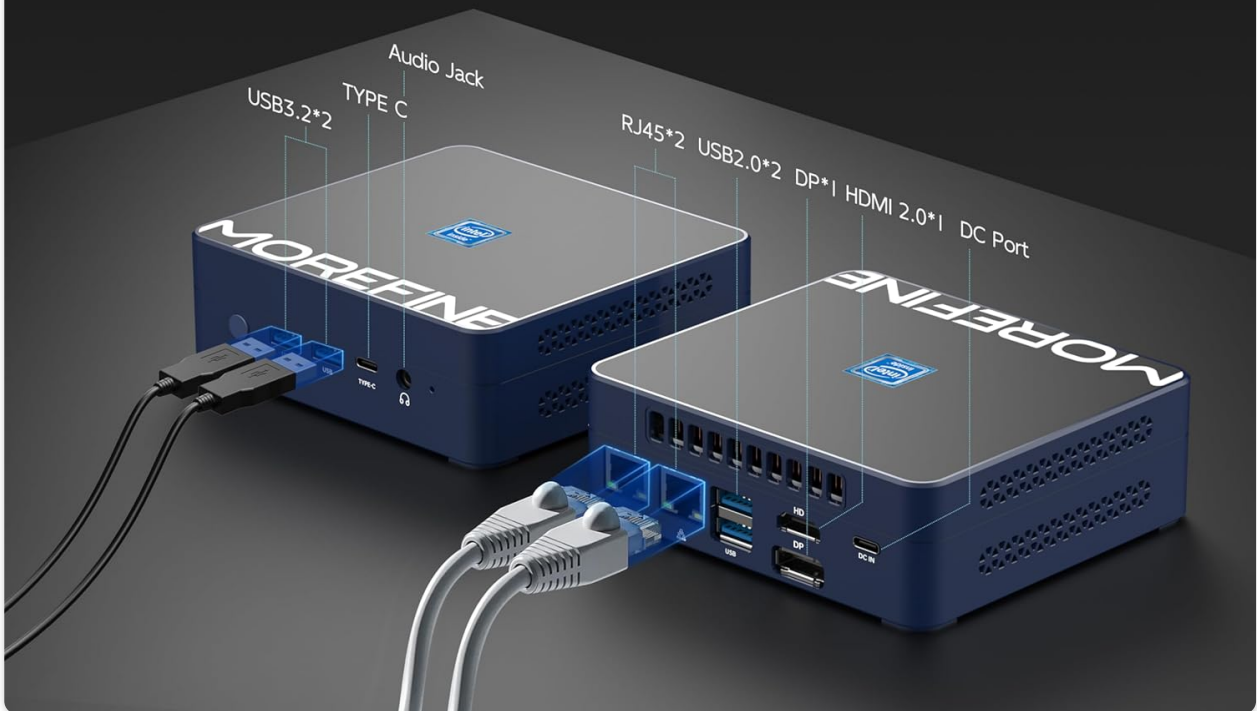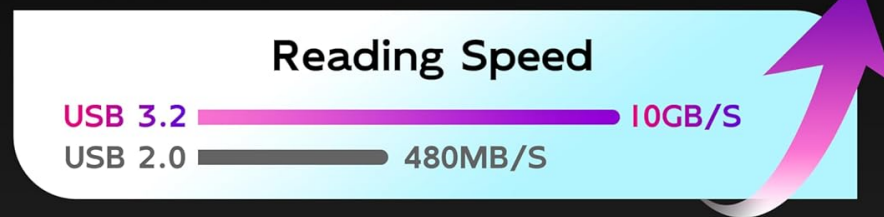- RJ45 (Gigabit Ethernet) x 2

Image: A detailed view of the MOREFINE M9S Mini PC's multiple port design, highlighting USB, Type-C, Audio Jack, RJ45, DP, HDMI, and DC ports.

2.3. Powering On

Connect the included USB-C power supply to the Mini PC and a power outlet. The device supports Auto Power On. Press the power button located on the front of the unit to turn it on.

3. Operating

3.1. System Overview

The MOREFINE M9S Mini PC is powered by the 12th Gen Intel Alder Lake N305 processor, offering up to 3.8GHz turbo frequency. It comes with 8GB of DDR5 4800MHz RAM and a 256GB M.2 NVME SSD, providing efficient performance for daily computing tasks.
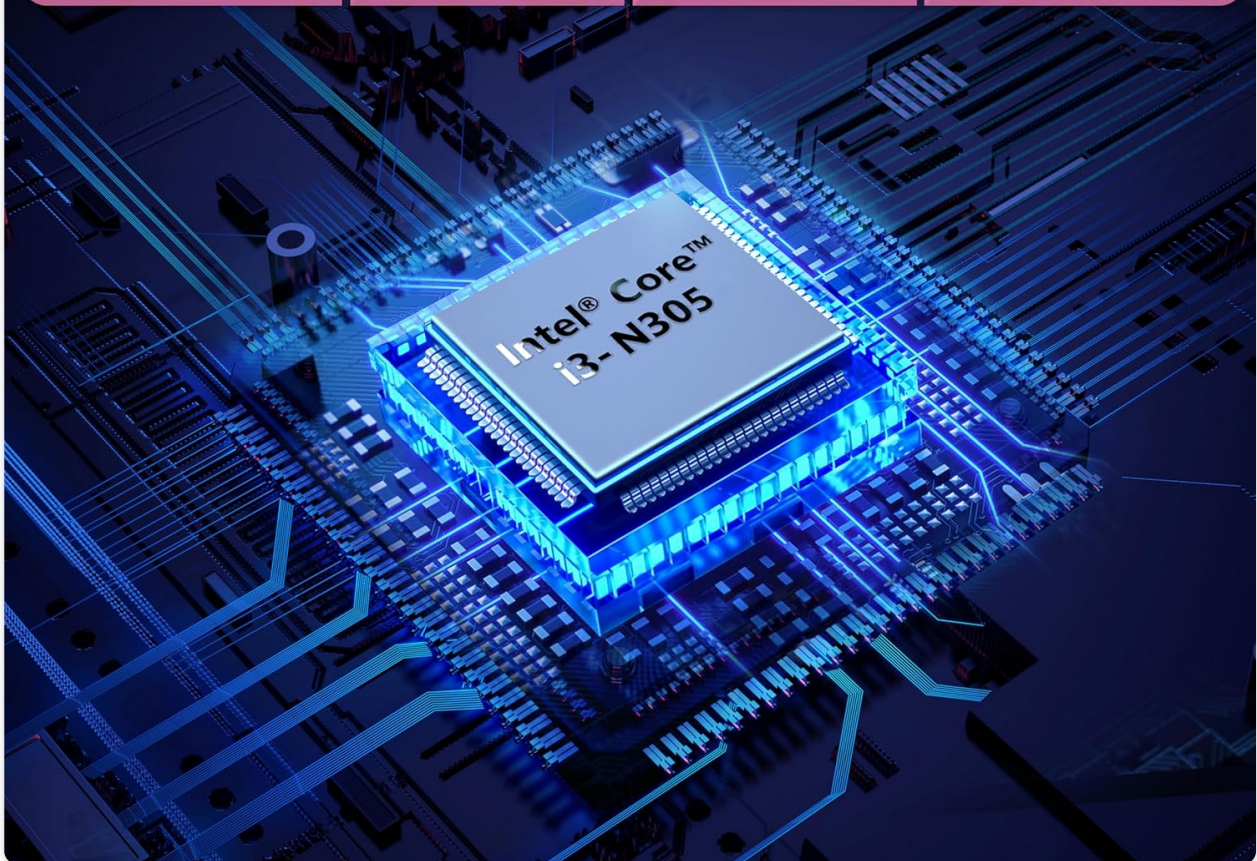
Image: Visual representation of the Intel Alder Lake N305 processor, highlighting its 3.8GHz Max Turbo Frequency, 8 Cores/8 Threads, 6MB Smart Cache, and 10NM Processor Technology.

Image: Infographic detailing the superior performance features of the MOREFINE M9S Mini PC, including its Intel N305 processor, DDR5 RAM, NVMe SSD, and silent fan.

3.2. Storage Expansion

The M9S Micro Computer N305 includes an internal 256GB M.2 NVME SSD. For additional storage, you can expand up to 2TB by adding a DIY M.2 2280 NVMe SSD/HDD (not included) in the detachable empty base.
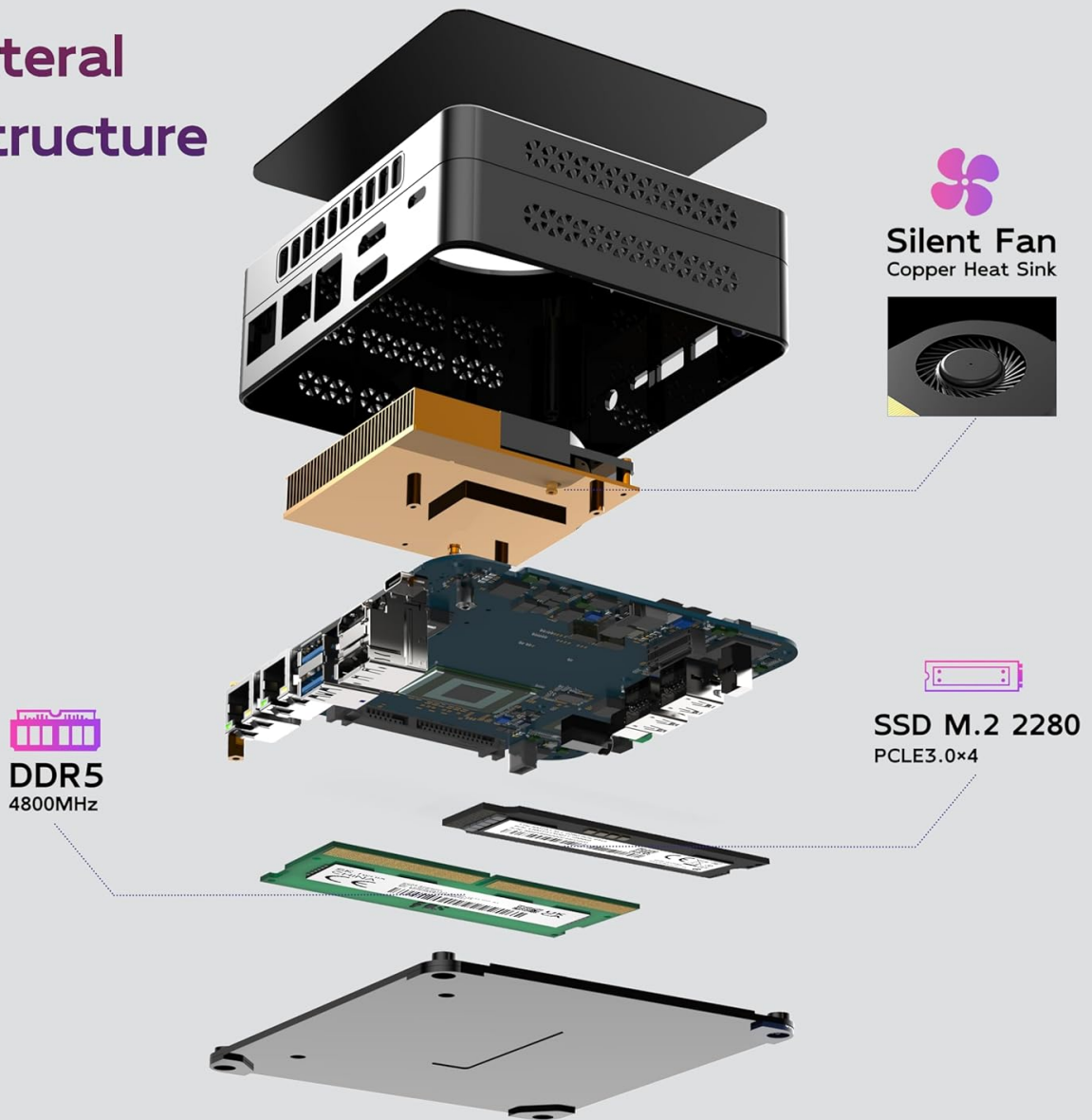
Image: Exploded view illustrating the internal structure of the MOREFINE M9S Mini PC, showing the DDR5 RAM, M.2 2280 PCIe SSD slot, and silent fan with copper heat sink.

3.3. Display Configuration

The N305 Mini PC supports simultaneous connection of up to three monitors via its HDMI 2.1, DisplayPort 1.4, and Type-C ports. All ports support 4K@60Hz output, providing a high-definition visual experience for multitasking or entertainment.

Image: A setup demonstrating the MOREFINE M9S Mini PC connected to three displays, showcasing its 4K UHD output capabilities for an immersive experience.

3.4. Connectivity

Equipped with WiFi6 and Bluetooth 5.2, the Mini PC ensures stable and high-speed data transmission. The dual RJ45 ports provide reliable wired network connections.

3.5. Usage Scenarios

The M9S Mini PC is versatile and can be utilized for various purposes, including:

- Visual home entertainment
- Office productivity
- Light gaming
- Digital security and surveillance
- Digital signage and billboards
- Media center applications
- Conference room setups

Image: The MOREFINE M9S Mini PC depicted in an office setting, illustrating its suitability for various applications including design work and media consumption.

4. Maintenance

4.1. Cleaning

To maintain optimal performance and appearance, regularly clean the exterior of your Mini PC. The reflective top cover may attract fingerprints and dust, so gentle cleaning with a soft, lint-free cloth is recommended.

4.2. Software Updates

For system updates or specific driver installations, please contact MOREFINE customer support. They can provide tutorials and guidance to ensure your Mini PC is running the latest software versions.

4.3. Internal Components

The M9S Mini PC features a silent fan and copper heat sink for efficient cooling. While internal cleaning is generally not required for regular users, professional servicing may be considered if unusual noise or overheating occurs.

5. Troubleshooting

5.1. General Issues and Defective Products

If you encounter any issues or believe your Mini PC is defective, please contact MOREFINE customer support immediately for assistance and a satisfactory solution.

5.2. Memory Upgrade Boot Time

After upgrading or changing the RAM module, the first boot may take an unusually long time (2-5 minutes). This is a normal system initialization process and does not indicate a fault. Allow the system sufficient time to complete the boot sequence.

5.3. Power Consumption and Performance

The M9S Mini PC is designed for power efficiency. While it typically consumes low wattage during light tasks (e.g., 15W at idle, 18W for 4K YouTube), heavy CPU and GPU loads can increase power draw. The included 36W power supply is sufficient for normal operation, and no issues were encountered during testing even under peak loads approaching 50W.

Video: This video presents benchmarks for the Mini PC, specifically testing its power consumption and efficiency under various loads.

5.4. Software Integrity

The Windows installation on the MOREFINE M9S Mini PC is clean and free from pre-installed malware. Multiple virus scans confirm the integrity of the operating system.

Video: This video demonstrates the clean installation of the operating system, confirming the absence of malware.

6. Specifications

Feature	Detail
Brand	MOREFINE
Model Number	M9S
Processor	12th Gen Intel Alder Lake N305 (up to 3.8GHz)
RAM	8GB DDR5 4800MHz (expandable up to 32GB)
Storage	256GB M.2 NVME SSD (expandable up to 2TB via M.2 2280 NVMe SSD/HDD)
Graphics	Intel UHD Graphics
Display Output	HDMI 2.1 x 1, DisplayPort 1.4 x 1, Type-C x 1 (supports 4K@60Hz Triple Display)

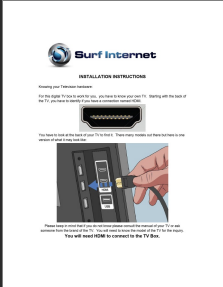| Feature	Detail
USB Ports	USB 3.2 x 2, USB 2.0 x 2
Network	WiFi6, Bluetooth 5.2, RJ45 x 2
Audio	3.5mm Audio Jack
Power Input	Type-C (12V/3A)
Dimensions (LxWxH)	4.92 x 4.49 x 1.65 inches
Item Weight	0.102 ounces
Operating System	OS (Pre-installed Windows 11 Pro)

7. Warranty and Support

For any product-related inquiries, technical support, or warranty claims, please contact MOREFINE customer service. Information regarding protection plans is available at the point of purchase.

- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.
- **Complete Protect:** A monthly plan covering eligible past and future purchases.

For the most up-to-date support information and FAQs, please visit the official MOREFINE store or contact their customer service directly.

Related Documents - M9S

Surf Internet M9S 4K Android TV Box Installation Guide
Step-by-step installation instructions for the Surf Internet M9S 4K Android TV Box, covering hardware connections, network setup (Wi-Fi/Ethernet), and remote control usage.

	[Guangzhou Mojia Technology Co., Ltd. - Intelligent Screen Projection Brackets and Wireless Charging Stands](#) Explore the range of intelligent screen projection brackets and wireless charging stands from Guangzhou Mojia Technology Co., Ltd. Discover models like BK22, BK11, BK23, BK24, Q95, Q3, Q88, Q96, SU8Y, T5, X18, M3, A1, A2, M9, M9S, A5, A6, T11, BK17, T30S, JT89, BK55, T1, T2, and Q25, featuring advanced technologies such as 15W wireless charging, 66W magnetic charging, infrared sensing, electric opening and closing, and customizable features. Guangzhou Mojia Technology is a leading manufacturer in the automotive aftermarket, offering OEM/ODM services and high-quality products.
	[Eanovo EA-M9S 9.7-inch Android Tablet PC - Technical Specifications and Quotation](#) Detailed technical specifications and quotation for the Eanovo EA-M9S, a 9.7-inch Octa Core 4G Android 11 tablet PC. Includes pricing, MOQ, and product features.
	[Shenzhen Shanling Portable Music Player Models and FCC ID](#) Details for Shenzhen Shanling's Portable Music Player, listing all supported model numbers, the FCC ID, and a note on electrical compatibility. Includes models such as M6 Ultra, M5x, M7 Pro, and M10, manufactured by Shenzhen Shanling Digital Technology Development Co.,Ltd.
	[Certificate of Conformity for Vinyl Plush Toy - UONE](#) Certificate of Conformity issued by Shen Zhen UONE Test Co., LTD. for a Vinyl plush toy, confirming compliance with UKCA Council Directive - Toys (Safety) Regulations 2011 and BS EN 71 series standards. Lists applicant, product details, and numerous model numbers.
	[Comprehensive Device Compatibility and Product List](#) A detailed catalog of mobile devices and tablets from various manufacturers, including model numbers, brands, and specifications, useful for compatibility checks and product research.