

Beelink MINI S12 Pro

Beelink MINI S12 Pro Mini PC User Manual

Model: MINI S12 Pro

1. INTRODUCTION

Thank you for choosing the Beelink MINI S12 Pro Mini PC. This compact and powerful computer is designed for various applications, including home entertainment, web browsing, office work, and more. It features a 12th Generation Intel N100 processor, 16GB DDR4 RAM, and a 512GB M.2 SSD for efficient performance.



Image: The Beelink MINI S12 Pro Mini PC, a compact desktop computer.

2. PACKAGE CONTENTS

Before you begin, please ensure all items are present in the box:

- 1 x Beelink MINI S12 Pro Mini PC
- 1 x HDMI Cable
- 1 x Power Adapter
- 1 x User Manual
- 1 x Wall-mounted bracket

Rich interface design

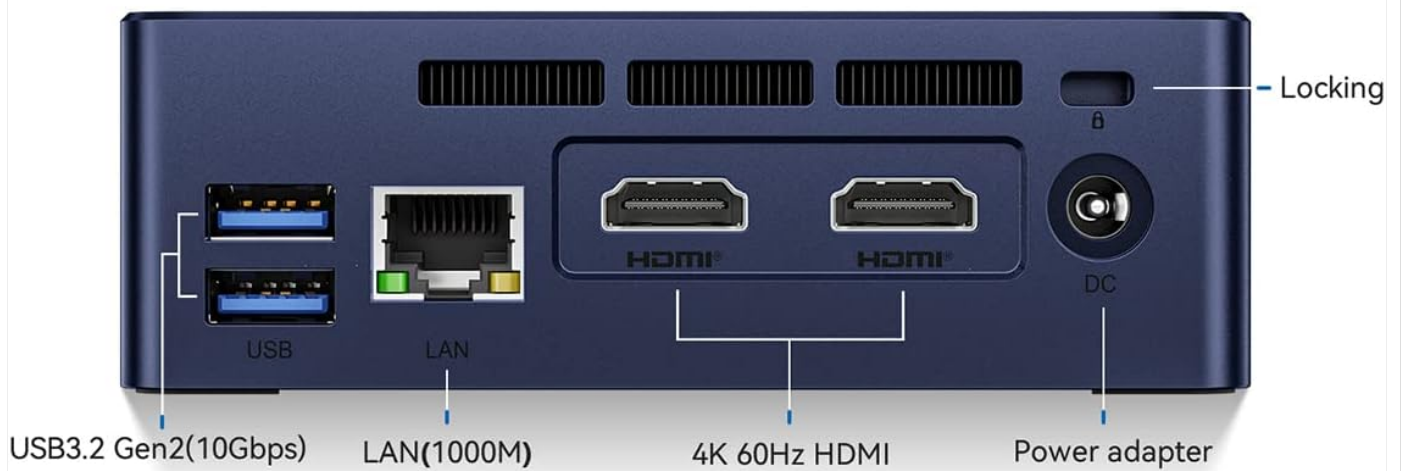
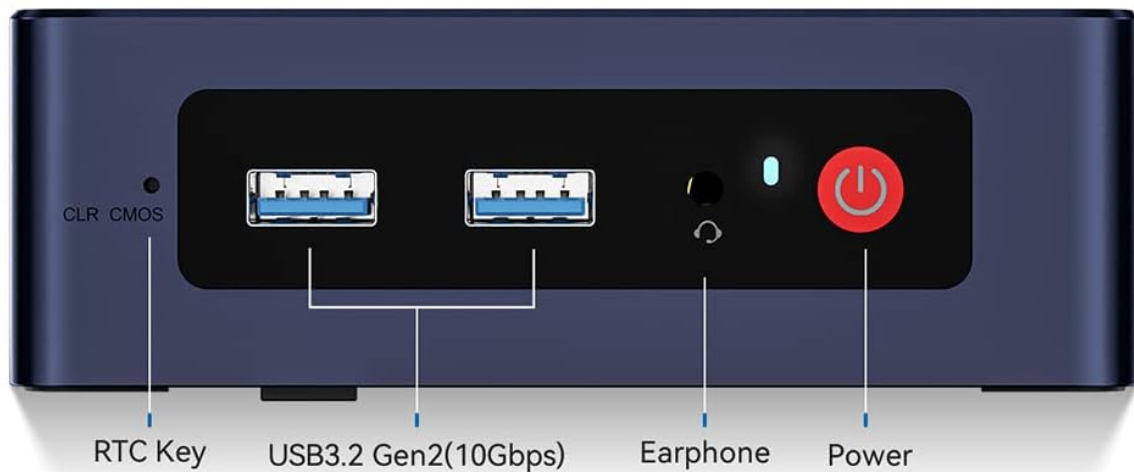


Image: Contents of the Beelink MINI S12 Pro package, including the PC, cables, power adapter, and mounting bracket.

3. SETUP GUIDE

3.1 Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the appropriate ports on the Mini PC. The device supports dual 4K@60Hz displays via its two HDMI ports.



MINI S12 Pro

12th generation low-power office mini PC

Intel Alder Lake-N **N100** Processor(4 cores, 4 threads)

Processor Base Frequency:0.8GHz/Max Turbo Frequency:3.40GHz

Host size: 4.52*4.01*1.54 inch

Image: Front and rear view of the Beelink MINI S12 Pro, highlighting USB 3.2, LAN, HDMI, and power ports.

3.2 Power On

Connect the power adapter to the DC-in port on the Mini PC and then to a power outlet. Press the power button located on the front of the device to turn it on.

3.3 Dual Monitor Configuration

To set up dual monitors, connect both displays to the HDMI ports. Once connected, you can configure the display settings within your operating system (e.g., Windows Display Settings) to extend or duplicate your desktop.

Your browser does not support the video tag.

Video: A demonstration on how to connect and configure dual monitors with the Beelink Mini PC.

4. OPERATING INSTRUCTIONS

4.1 Basic Usage

The Beelink MINI S12 Pro comes pre-installed with Windows 11 Home. Upon first boot, follow the on-screen instructions to complete the initial setup of the operating system.

4.2 Connectivity

- **Wi-Fi:** Supports Wi-Fi 6 (802.11ax) for stable and high-speed wireless internet access.
- **Bluetooth:** Integrated Bluetooth 5.2 allows for wireless connection to compatible devices like keyboards, mice, and headphones.
- **LAN:** Features a 2.5G LAN port for high-speed wired network connections.
- **USB Ports:** Equipped with 4x USB 3.2 ports for connecting various peripherals and external storage devices.

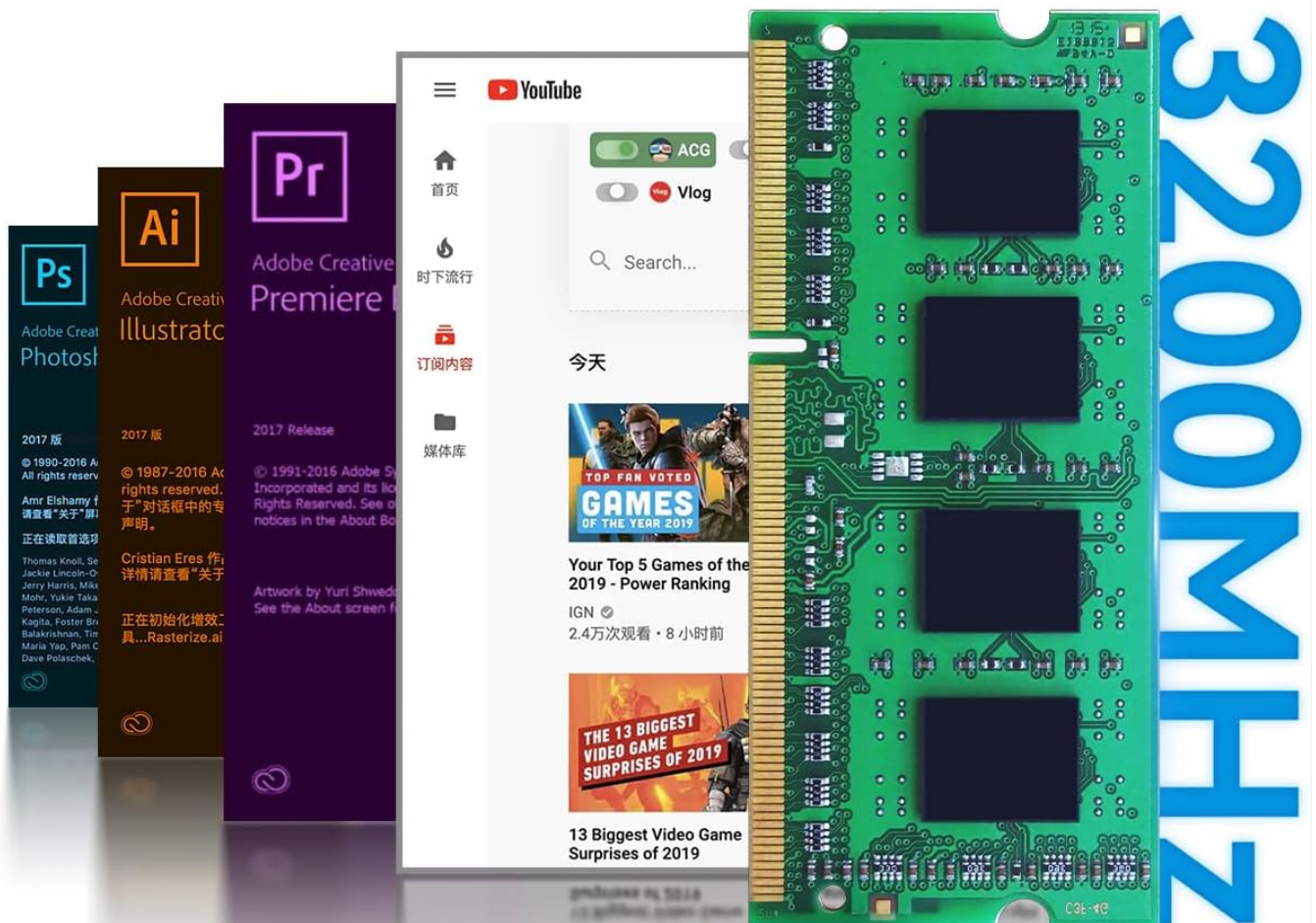
4.3 Energy Saving Features

The Mini PC is designed for low power consumption, making it an energy-efficient choice for continuous operation. It also supports Wake On LAN and Auto Power On features, which can be configured for convenience.

SO-DIMM DDR4 3200MHz

High quality memory Stable operation

Single-channel support up to 16GB(dependent on memory type),
optional single-channel 8/16GB memory.



*Official speeds apply

Image: Diagram illustrating energy saving, WiFi 6, dual display support, 2.5G LAN, and wall mount features of the Beelink Mini PC.

5. MAINTENANCE

5.1 SSD Replacement

The Beelink MINI S12 Pro supports M.2 SSDs and can be upgraded for increased storage capacity. Refer to the following video for a detailed guide on replacing the SSD.

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Video: A tutorial demonstrating the process of replacing the SSD in a Beelink Mini PC.

4 Cores
Intel ALD_N N95

4 Threads
6MB Smart Cache

3.4 GHz
Max Turbo Frequency

16EUs
Intel® UHD Graphics

12TH GENERATION LOW-POWER OFFICE MINI PC

Size: 4.52*4.01*1.54 in

MINI S12



1200MHz
Graphics Max
Dynamic Frequency

 **WiFi 5(802.11ac)**
Bluetooth4.2 /LAN (2.5G)



DDR4 3200MHz
Single Channel 8GB



SSD Max 2TB
Optional:M.2 SSD 256GB



Cooling System

1. Silent fan
2. Heat pipe/heat sink
3. Hard drive cooling cover

Image: Internal view of the Beelink MINI S12 Pro showing the dual M.2 SSD slots for high-speed storage.

5.2 Fan Removal

For advanced maintenance or cleaning, the internal fan can be removed. Please follow the instructions in the video carefully to avoid damage.

Your browser does not support the video tag.

Video: A guide on how to safely remove the fan from a Beelink Mini PC for maintenance.

5.3 Cleaning

To maintain optimal performance, regularly clean the exterior of the Mini PC with a soft cloth. Avoid using harsh chemical solvents or cleaning products. Ensure no liquids seep into the device to prevent electrical shock.

6. TROUBLESHOOTING

If you encounter issues with your Beelink MINI S12 Pro, consider the following:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- **No Display:** Check HDMI cable connections to the monitor and Mini PC. Try a different HDMI port or cable if available. Ensure the monitor is powered on and set to the correct input source.
- **Peripheral Issues:** If a keyboard, mouse, or other USB device is not working, try connecting it to a different USB port. Ensure drivers are up to date if necessary.
- **Network Connectivity:** For Wi-Fi issues, restart your router and the Mini PC. For wired connections, check the Ethernet cable and router status.

For persistent issues, please refer to the warranty and support section for contact information.

7. SPECIFICATIONS

Feature	Specification
Brand	Beelink
Model Name	MINIS 12 Pro
Operating System	W11 Home
CPU Model	Intel Processor Alder Lake-N100
CPU Speed	Up to 3.4 GHz
Processor Count	4
Graphics Coprocessor	Intel UHD Graphics (Integrated)
RAM Memory Installed	16 GB DDR4
RAM Memory Maximum Size	16 GB
Memory Speed	2280 MHz
Hard Disk Description	SSD
Optical Storage Device	500 GB (M.2 SSD)
Total USB Ports	4 (USB 3.2)
Total Number of HDMI Ports	2
Display Resolution Maximum	3840x2160 (4K@60Hz)
Connectivity Technology	Bluetooth, HDMI, Wi-Fi
Wireless Compatibility	802.11a/b/g/n/ac (Wi-Fi 6)
Cooling Method	Fan
Power Plug Type	Type A - 2 pin (North American)
UPC	810056049867

8. WARRANTY AND SUPPORT

Beelink offers comprehensive support for your Mini PC:

- **Warranty:** 3-Year Free Warranty.
- **Technical Support:** Lifetime technical issue assistance.
- **Customer Service:** 7 Days/24 Hours serving.

For technical assistance or warranty claims, please contact our customer service team via email. If you need to set up automatic startup, please provide the barcode on the bottom of the machine to receive corresponding tutorial files.

Important Cautions:

- Do not use harsh chemical solvents or cleaning products. Use a soft cloth to wipe.
- Do not throw the product into fire to avoid accidents.
- Be careful of electric shock when cleaning electronics.
- Check for any frayed or damaged cords or plugs.
- Operating environment: -10°C to 45°C, 30% to 90% humidity.
- Storage environment: -20°C to 60°C, 10% to 90% humidity.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question