Beelink MINI S12 N95

Beelink MINI S12 Mini PC User Manual

Model: MINI S12 N95 | Brand: Beelink

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Beelink MINI S12 Mini PC. Designed for efficiency and versatility, this compact micro computer is equipped with an Intel N95 Processor, 8GB DDR4 RAM, and a 256GB SSD, supporting 4K UHD video output and dual HDMI displays. Please read this manual thoroughly to ensure proper usage and to maximize your product experience.

2. SETUP GUIDE

Follow these steps to set up your Beelink MINI S12 Mini PC:

1. **Connect Peripherals:** Connect your USB keyboard and mouse to the available USB 3.2 ports on the front or rear of the Mini PC.

2. **Connect Display:** Use the provided HDMI cables to connect your monitor(s) to the HDMI ports on the rear of the Mini PC. The device supports dual 4K UHD displays.

3. **Connect to Network:** For wired internet, connect an Ethernet cable to the Gigabit Ethernet port. For wireless internet, the device supports WiFi5 (802.11ac). Wireless setup will be part of the initial Windows configuration.

4. **Connect Power:** Plug the power adapter into the DC input port on the rear of the Mini PC, then plug the adapter into a power outlet.

5. **Power On:** Press the power button located on the front panel to turn on the Mini PC.

6. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 operating system setup. This includes selecting your language, region, and connecting to a network (if not already connected via Ethernet).

Image: Front view of the Beelink MINI S12 Mini PC, showing USB ports and the power button.
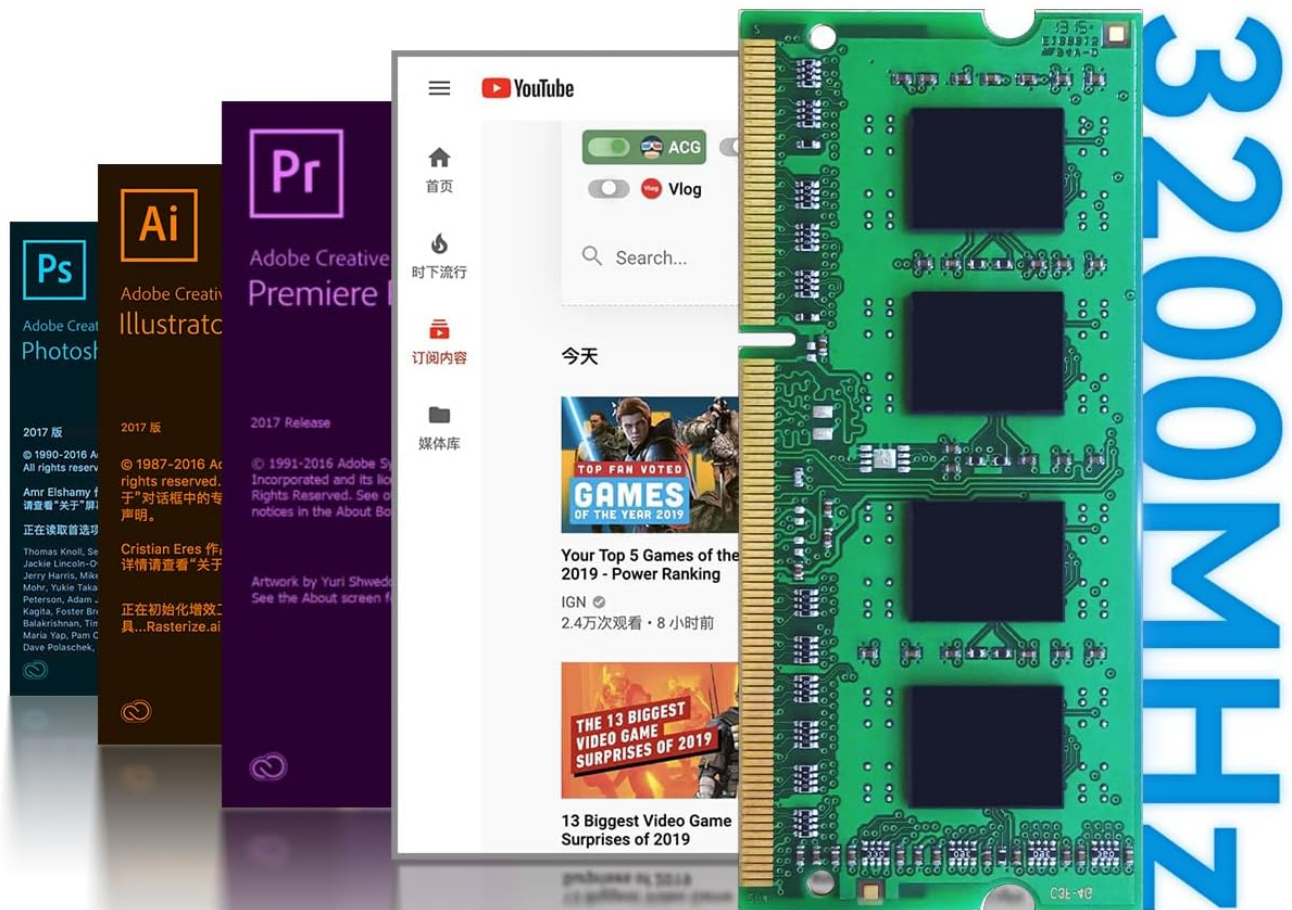
3. HARDWARE OVERVIEW

The Beelink MINI S12 Mini PC features a compact design with essential ports for various connectivity needs.

- **Processor:** Intel N95 (4 Cores/4 Threads, 6M Cache, up to 3.4 GHz)
- **Graphics:** Intel UHD Graphics (supports 4K UHD)
- **RAM:** 8GB DDR4 (single-channel, expandable)
- **Storage:** 256GB M.2 SATA3 SSD (expandable)
- **Front Ports:** 2x USB 3.2, 1x 3.5mm Audio Jack, 1x Power Button
- **Rear Ports:** 2x HDMI 2.0 (4K@60Hz), 2x USB 3.2, 1x Gigabit Ethernet (2.5G LAN), 1x DC Power Input
- **Wireless Connectivity:** WiFi5 (802.11ac), Bluetooth 4.2
- **Cooling System:** Features a quiet large fan, heat pipe/heat sink, and hard drive cooling cover for efficient heat dissipation.
- **Dimensions:** Approximately 4.52 x 4.01 x 1.54 inches (L x W x H)

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: Rear view of the Beelink MINI S12 Mini PC, highlighting HDMI, USB, and Ethernet ports.

4. STORAGE EXPANSION

The Beelink MINI S12 Mini PC offers options for storage expansion:

- **M.2 SSD:** The device comes with a 256GB M.2 SATA3 SSD. This can be upgraded to a larger capacity M.2 SATA3 SSD, up to 2TB.
- **2.5" SATA Drive:** An additional 2.5-inch SATA HDD or SSD (up to 2TB) can be installed. The necessary screws and cable are typically included.

Installing a 2.5" SATA Drive:

1. **Prepare Tools:** You will need a cross screwdriver and a 2.5-inch 7mm thick hard disk.

2. **Remove Bottom Cover:** Carefully remove the four screws on the bottom of the Mini PC. Gently lift the cover, being mindful of the FPC cable connecting it to the mainboard.

3. **Install HDD/SSD:** Slide your 2.5-inch HDD/SSD into the designated accessory slot on the bottom cover. Secure it with the provided screws.

4. **Connect Cable:** Connect the pre-attached SATA cable from the mainboard to your newly installed drive.

5. **Reattach Cover:** Carefully reattach the bottom cover, ensuring the FPC cable is not pinched, and secure it with the four screws.

6. **Initialize Drive (if new):** After booting Windows, if the new drive is not visible, go to Disk Management (right-click Start button) to initialize and format the drive.

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Video: SSD replacement tutorial for Beelink Mini PCs, demonstrating how to install an additional 2.5-inch hard drive.

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, illustrating the dual M.2 SSD slots and the area for a 2.5-inch SATA drive.

5. OPERATING SYSTEM

The Beelink MINI S12 Mini PC comes with Windows 11 pre-installed. It is optimized for light office work, video playback, and general computing tasks. The system supports features like Auto Power On and Wake On LAN (WOL).

Dual Display Support:

Utilize the dual HDMI ports to connect two monitors simultaneously, supporting 4K UHD resolution for enhanced productivity and immersive viewing experiences.

Image: Beelink MINI S12 Mini PC connected to two monitors, demonstrating dual display support for multitasking.

6. MEDIA PLAYBACK AND PERFORMANCE

The Intel UHD Graphics integrated into the N95 processor supports 4K video playback and web browsing, making it suitable for home entertainment and general media consumption.

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Video: Official product video showcasing the features and capabilities of the Beelink MINI S12 N95 Mini PC, including 4K display support.

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Video: Product overview of the Beelink MINI S12 N95 Mini PC, highlighting its compact size and various ports.

7. TROUBLESHOOTING

- **Hard Disk Not Displayed After Installation:** If a newly installed hard disk is not displayed in "My Computer," you will need to initialize and format it through Disk Management. Right-click the Start button, select "Disk Management," find the unallocated space for your new drive, right-click it, and follow the prompts to create a new simple volume.

- **Connectivity Issues:** Ensure all cables (HDMI, Ethernet, power) are securely connected. For wireless issues, verify WiFi settings in Windows.

- **System Performance:** For optimal performance, ensure your graphics drivers are up to date. You can check for updates via Windows Update or by visiting the Intel website.

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Processor	Intel N95 (4C/4T, 6M Cache, up to 3.4 GHz)
RAM	8GB DDR4 (SODIMM)
Storage	256GB M.2 SATA3 SSD (Expandable up to 2TB M.2 SATA3 SSD or 2.5" SATA HDD/SSD)
Graphics	Intel UHD Graphics (Supports 4K UHD, 3840 x 2160 pixels)
Video Output	2x HDMI 2.0 (4K@60Hz)
USB Ports	4x USB 3.2
Network	1x Gigabit Ethernet (2.5G LAN), WiFi5 (802.11ac)
Bluetooth	Bluetooth 4.2
Audio	1x 3.5mm Audio Jack
Operating System	Windows 11 (Pre-installed)
Dimensions	4.52 x 4.01 x 1.54 inches
Weight	1.54 pounds
Certifications	FCC, CE, RoHS

9. WARRANTY AND SUPPORT

All Beelink Mini PCs come with a 1-year worry-free warranty. Beelink offers lifetime technical support and 7/24 customer service. For any questions or assistance, please contact Beelink customer support.