

## Beelink MINI S13 Pro

# Beelink MINI-S13 Pro Mini PC User Manual

Model: MINI S13 Pro

## 1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Beelink MINI-S13 Pro Mini PC. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and lifespan.

The Beelink MINI-S13 Pro is a compact and efficient mini PC powered by the Intel Twin Lake N150 processor, designed for various applications including light office work, educational tasks, and home entertainment. It features 16GB DDR4 RAM, a 500GB NVMe SSD, 4K dual display support, WiFi 6, and Bluetooth 5.2 connectivity.

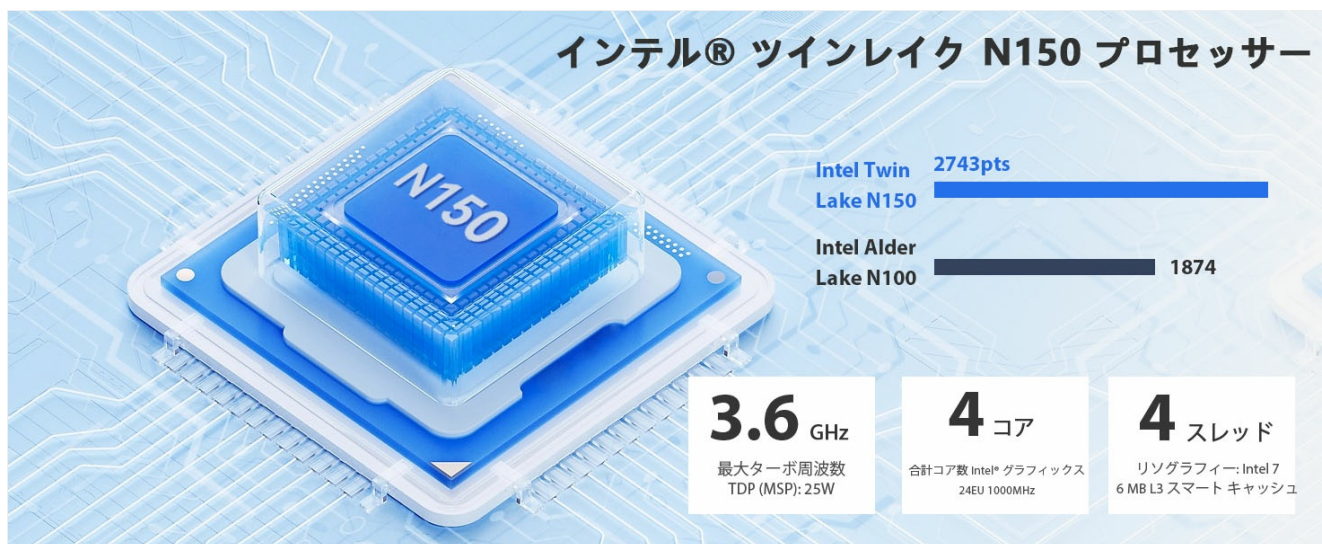


Figure 1.1: Beelink MINI-S13 Pro Mini PC

## 2. PRODUCT OVERVIEW

### 2.1. Package Contents

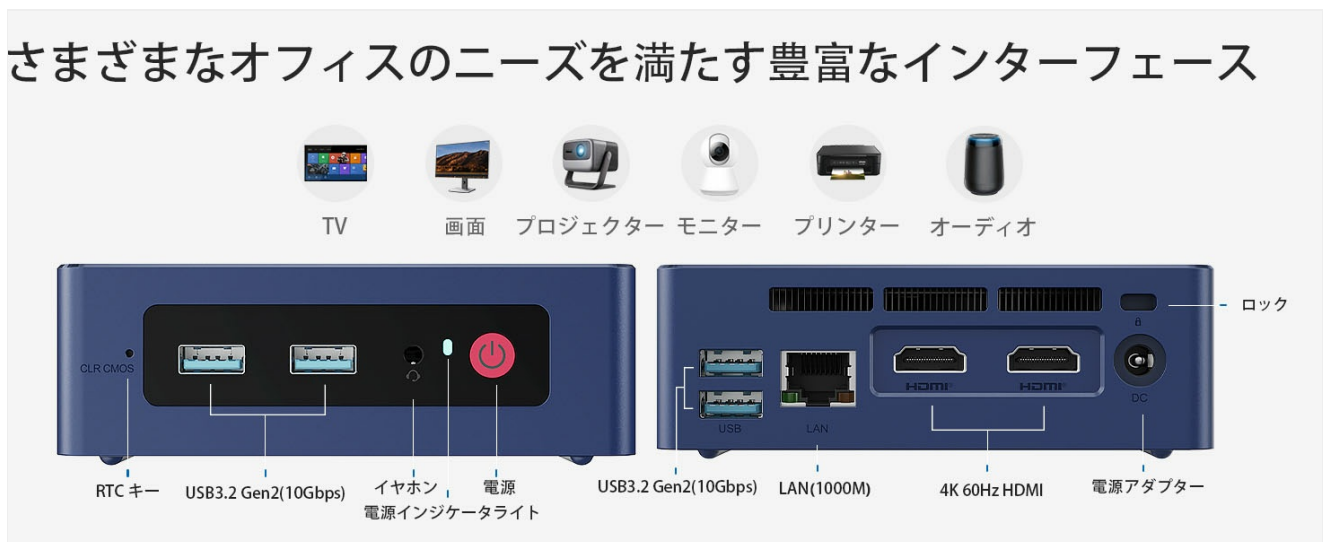
Before proceeding with the setup, please verify that all items listed below are included in your package:

- Beelink MINI S13 Mini PC x1
- HDMI Cable (100cm) x1
- Power Adapter (12V/3A) x1
- Instruction Manual x1
- Wall Mount Bracket x1



## 2.2. External Features and Ports

The Beelink MINI-S13 Pro features a compact design with essential ports for connectivity. Familiarize yourself with the port layout:



### • Front Panel:

- CLR CMOS (RTC Key): Button to clear CMOS settings.
- USB3.2 Gen2 (10Gbps) x2: For connecting high-speed USB devices.
- Headphone Jack (2-in-1): For audio output and microphone input.
- Power Button: To turn the device on/off.
- Power Indicator Light: Shows the power status.

- **Rear Panel:**

- USB3.2 Gen2 (10Gbps) x2: For connecting high-speed USB devices.
- LAN (2.5Gbps) x1: For wired network connection.
- HDMI (Max 4K 60Hz) x2: For connecting displays.
- DC Power Input: For connecting the power adapter.
- Lock Slot: For security locking mechanisms.

## 2.3. Internal Components

The MINI-S13 Pro allows for storage expansion:

# SO-DIMM DDR4 3200MHz 高品質メモリ 安定した動作

シングルチャネルは最大 16GB をサポートし、  
オプションでシングルチャネル 8/16GB メモリをサポートします。

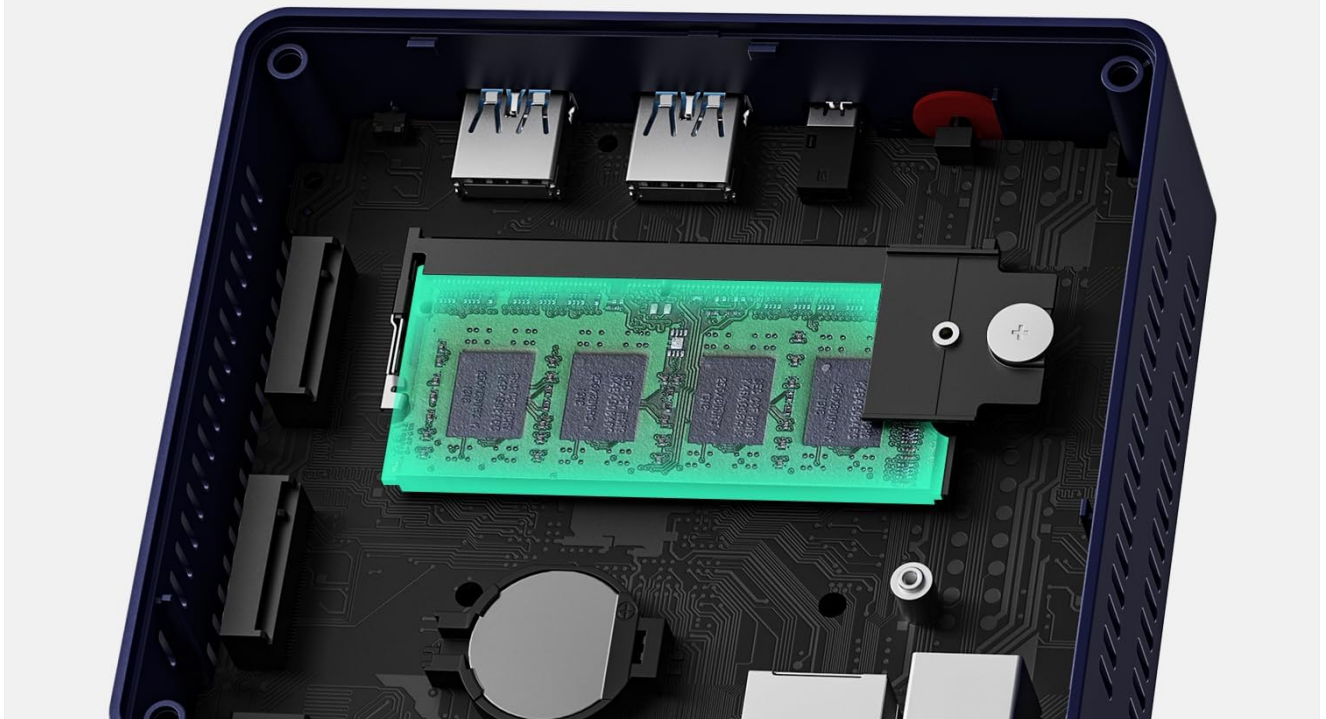


Figure 2.3: SO-DIMM DDR4 RAM Slot

The device comes with 16GB DDR4 3200MHz RAM installed in a single channel. It supports up to 32GB RAM.

# デュアルSSD高速ストレージ

M.2 2280 NVMe/SATA3 SSDをサポートし、4TBのストレージまで構成可能です。

Mini S13にはSATA3 SSDが付属しています

オプション:256/500GB

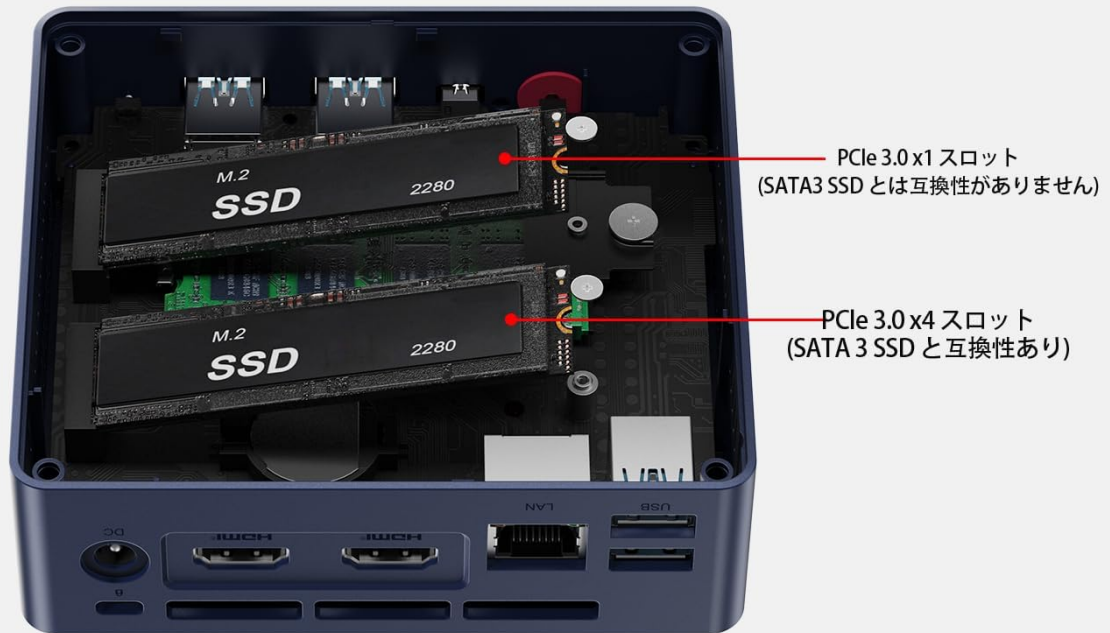


Figure 2.4: Dual M.2 SSD Slots

It supports M.2 2280 NVMe/SATA SSDs, with storage expandable up to 2TB. The device includes a 500GB SSD.

## 3. SETUP

### 3.1. Initial Connection

1. **Connect Display:** Use the provided HDMI cable to connect your monitor or TV to one of the HDMI ports on the rear panel of the Mini PC.
2. **Connect Peripherals:** Connect your USB keyboard and mouse to the available USB ports on the front or rear panel.
3. **Connect Power:** Plug the power adapter into the DC power input on the rear panel, then plug the adapter into a power outlet.
4. **Power On:** Press the power button on the front panel. The power indicator light will illuminate.

### 3.2. Initial Windows 11 Setup

Upon first boot, the system will guide you through the Windows 11 initial setup process. Follow the on-screen



instructions to configure your language, region, network, and user account settings.

### 3.3. VESA Mounting

The included VESA mount bracket allows you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space. Follow the instructions provided with the VESA bracket for installation.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Basic Operation

- **Power On/Off:** Press the power button to turn the PC on. To turn off, use the Windows Shut Down option or press and hold the power button for 5 seconds.
- **Restart:** Use the Windows Restart option.
- **Sleep Mode:** Use the Windows Sleep option.

### 4.2. Network Connectivity

- **Wired Connection (LAN):** Connect an Ethernet cable from your router or modem to the LAN port on the rear panel.
- **Wireless Connection (WiFi):** The Mini PC supports WiFi 6. In Windows, go to Network & Internet settings, select Wi-Fi, and connect to your desired network.
- **Bluetooth:** The Mini PC supports Bluetooth 5.2. In Windows, go to Bluetooth & devices settings to pair with Bluetooth peripherals.

### 4.3. Dual Display Setup

The Beelink MINI-S13 Pro supports dual 4K displays via its two HDMI ports, enhancing multitasking and productivity.



Figure 4.1: Dual Display Configuration

1. Connect both monitors to the HDMI ports on the rear panel.
2. In Windows, right-click on the desktop and select "Display settings."
3. You can then arrange your displays, choose display modes (Extend, Duplicate, Show only 1 or 2), and adjust resolution.

### 4.4. Advanced Features

- **Wake-on-LAN (WOL):** This feature allows you to remotely wake up your Mini PC over the network. Enable

WOL in the BIOS/UEFI settings and your network adapter properties in Windows.

- **Auto Power On:** The Mini PC can be configured to automatically power on after a power outage. This setting is typically found in the BIOS/UEFI.
- **PXE Boot:** For network booting, enable PXE boot in the BIOS/UEFI settings.

## 5. MAINTENANCE

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### 5.1. Cleaning

- Keep the Mini PC in a clean, dust-free environment.
- Regularly clean the exterior with a soft, dry cloth.
- Use compressed air to gently clear dust from ventilation openings to ensure proper airflow and cooling.



Figure 5.1: CPU Silent Fan and Heatsink

### 5.2. Software Updates

- Regularly update your Windows operating system through Windows Update to ensure security and performance.
- Check the Beelink official website for any driver updates specific to your MINI-S13 Pro model.

### 5.3. Storage Expansion

The Mini PC supports M.2 2280 NVMe/SATA SSDs for storage expansion up to 2TB. To install or replace an SSD:

1. Ensure the Mini PC is powered off and disconnected from the power source.
2. Carefully open the chassis according to the instructions (refer to the detailed diagram in Section 2.3).
3. Insert the M.2 SSD into the available slot and secure it with the provided screw.
4. Close the chassis and power on the device. You may need to initialize the new SSD in Windows Disk Management.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Beelink MINI-S13 Pro.

### 6.1. No Power

- Check if the power adapter is securely connected to both the Mini PC and the power outlet.

- Ensure the power outlet is functional. Try plugging in another device.
- Verify that the power adapter is the correct one (12V/3A) for the Mini PC.

### 6.2. No Display Output

- Ensure the HDMI cable is securely connected to both the Mini PC and the monitor.
- Check if the monitor is powered on and set to the correct input source (HDMI 1, HDMI 2, etc.).
- Try using a different HDMI cable or monitor to rule out faulty equipment.
- If using multiple displays, try connecting only one display.

### 6.3. Network Connectivity Issues

- **Wired (LAN):** Check the Ethernet cable connection. Ensure your router/modem is working correctly.
- **Wireless (WiFi):** Ensure Wi-Fi is enabled in Windows settings. Check if your router is broadcasting the network. Try restarting your router.
- Update network drivers if necessary.

### 6.4. System Slowdown or Freezing

- Close unnecessary applications running in the background.
- Check Task Manager for processes consuming high CPU or RAM.
- Ensure there is sufficient free space on your SSD.
- Run a virus scan.

### 6.5. Clearing CMOS

If you encounter boot issues or incorrect hardware detection, you may need to clear the CMOS. With the device powered off, press the CLR CMOS button on the front panel using a thin, non-conductive object (like a paperclip) for a few seconds. This will reset BIOS settings to default.

## 7. SPECIFICATIONS

Below are the detailed technical specifications for the Beelink MINI-S13 Pro Mini PC:

| Feature               | Specification                                          |
|-----------------------|--------------------------------------------------------|
| Brand                 | Beelink                                                |
| Model                 | MINI S13 Pro                                           |
| Operating System      | Windows 11 Home                                        |
| CPU                   | Intel Twin Lake N150 (4 Cores/4 Threads, up to 3.6GHz) |
| Graphics              | Intel UHD Graphics (Integrated, 24EUs 1000MHz)         |
| RAM                   | 16GB DDR4 3200MHz (Single Channel, Max 32GB Supported) |
| Storage               | 500GB M.2 2280 NVMe/SATA SSD (Expandable up to 2TB)    |
| Wireless Connectivity | WiFi 6 (802.11ax, up to 600Mbps), Bluetooth 5.2        |
| Wired Connectivity    | 2.5G LAN x1                                            |

| Feature             | Specification                                                                   |
|---------------------|---------------------------------------------------------------------------------|
| Video Output        | HDMI x2 (Supports 4K@60Hz Dual Display)                                         |
| USB Ports           | USB3.2 Gen2 (10Gbps) x4                                                         |
| Audio Port          | 3.5mm Headphone Jack (2-in-1)                                                   |
| Power Adapter       | 12V/3A                                                                          |
| Power Consumption   | Max 25W TDP                                                                     |
| Cooling Method      | Air Cooling (Silent Fan and Heatsink)                                           |
| Additional Features | PXE Boot, Auto Power On, WOL (Wake on LAN), VESA Mount Support, CLR CMOS button |
| Certifications      | CE, FCC, RoHS                                                                   |

## 8. WARRANTY AND SUPPORT

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### 8.1. Warranty Information

The Beelink MINI-S13 Pro Mini PC comes with a **3-year warranty service** from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use. Please retain your proof of purchase for warranty claims.

### 8.2. Customer Support

For any questions, technical assistance, or warranty claims, please contact Beelink customer service. We offer **7\*24 hours online customer service** and professional factory support.

You can typically find contact information on the official Beelink website or through your purchase platform. Please provide your product model (MINI S13 Pro) and purchase details when contacting support for faster service.