

Bmax B4 PRO

Bmax B4 Pro Mini PC User Manual

Model: B4 PRO | Brand: Bmax

1. INTRODUCTION

The Bmax B4 Pro Mini PC is a compact and powerful desktop computer designed for a wide range of applications, including home use, business tasks, 4K video playback, online education, and design work. Featuring the latest 12th Gen Intel Alder Lake N97 processor, 16GB DDR4 RAM, and a 512GB SSD, this mini PC delivers efficient performance in a small form factor. Its versatile connectivity options and quiet operation make it an ideal choice for various computing needs.



2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- 1 x B4 Pro MINI PC
- 1 x Power Adapter
- 1 x User Guide
- 1 x HDMI cable
- 1 x Metal Bracket (for VESA mounting)

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Video 2.1: Unboxing the Bmax B4 Pro Mini PC, showing the contents of the package including the mini PC, power adapter, HDMI cable, and mounting bracket.

3. PRODUCT OVERVIEW

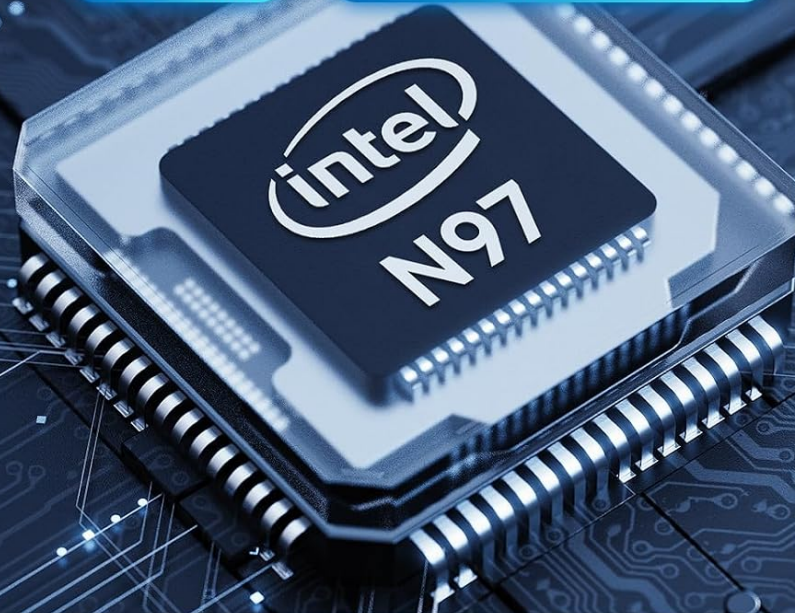
3.1 Key Features

- **Processor:** 12th Gen Intel Alder Lake N97 (Burst frequency up to 3.60Ghz)
- **Memory:** 16GB SO-DIMM DDR4 RAM
- **Storage:** 512GB M.2 SATA SSD, with built-in 2.5" hard drive bay for additional storage (HDD/SSD not included)
- **Graphics:** Intel UHD Graphics, supporting 4K@60Hz UHD display output
- **Connectivity:** Dual Band Wi-Fi, Bluetooth, Ethernet
- **Operating System:** Pre-installed Windows 11 Pro, also supports Linux, Ubuntu
- **Design:** Slim, lightweight (310g), compact form factor
- **Cooling:** Smart fan cooling system for quiet operation

Intel 12th Gen Alder Lake N97 Processor

3.6 GHz

4 Cores ; 4 Threads



PassMark benchmark score



Figure 3.1: Intel 12th Gen Alder Lake N97 Processor Performance



Figure 3.2: Memory and Storage Configuration

3.2 Ports and Interfaces

The Bmax B4 Pro Mini PC offers a variety of ports for comprehensive connectivity:

- 2 x HDMI 2.0 ports (supporting 4K@60Hz dual display)
- 2 x USB 3.2 ports
- 2 x USB 2.0 ports
- 1 x 3.5mm Headset Jack
- 1 x Ethernet Port
- 1 x DC Power Input
- 1 x Clear CMOS button
- 1 x Power Button

Multi Ports For All Users

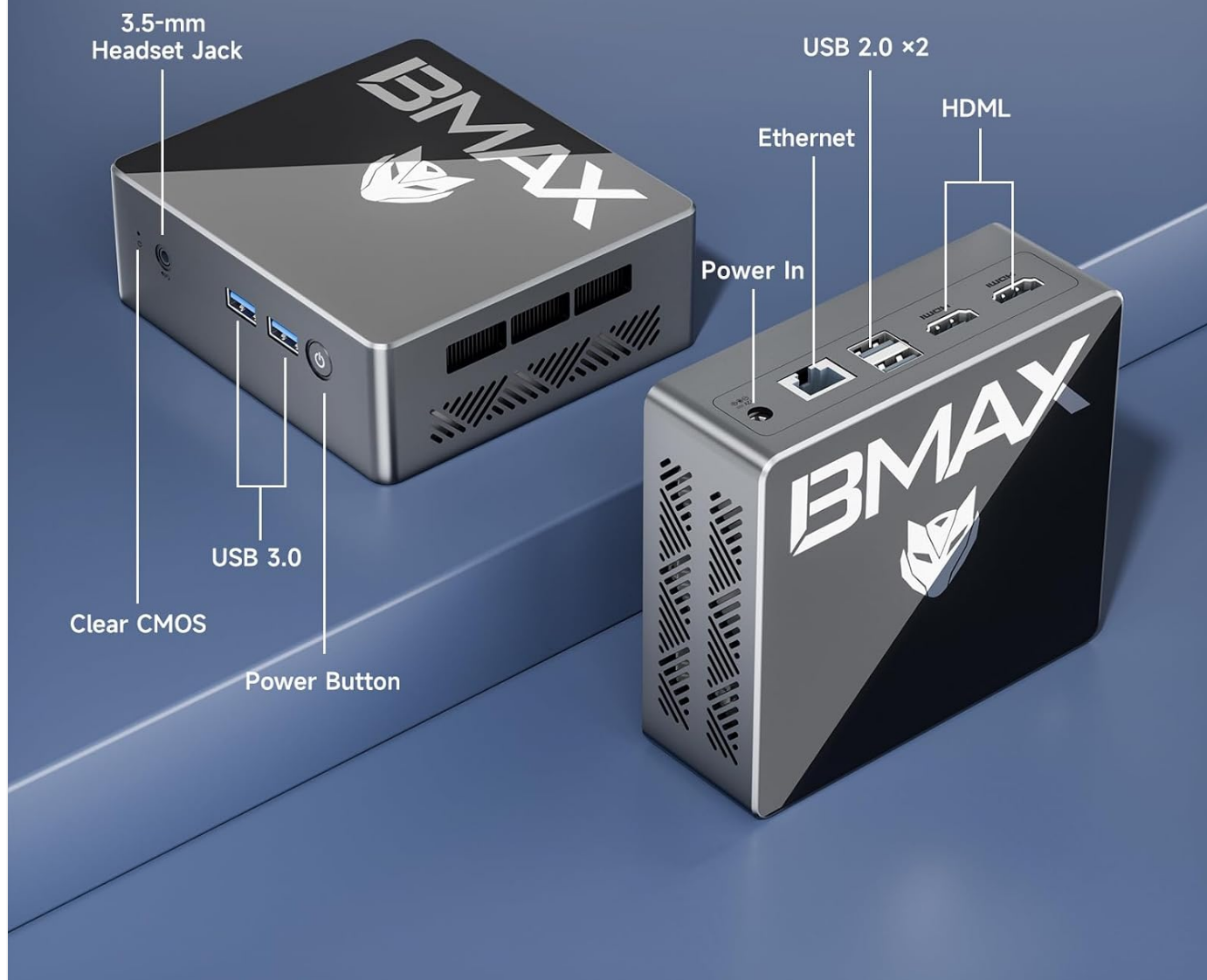


Figure 3.3: Multi-Ports for All Users

4. SETUP GUIDE

4.1 Initial Connection

1. **Connect to Display:** Use the provided HDMI cable to connect the mini PC to your monitor or TV. The B4 Pro supports dual 4K displays.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect Power:** Connect the power adapter to the DC input port on the mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button on the front of the mini PC. The power indicator light will illuminate.

4.2 Operating System Setup

Upon first boot, the pre-installed Windows 11 Pro will guide you through the initial setup process. Follow the on-screen instructions to configure language, region, network settings, and user accounts. It is recommended to connect to the

internet via Wi-Fi or Ethernet during this process to ensure all necessary drivers and updates are installed.

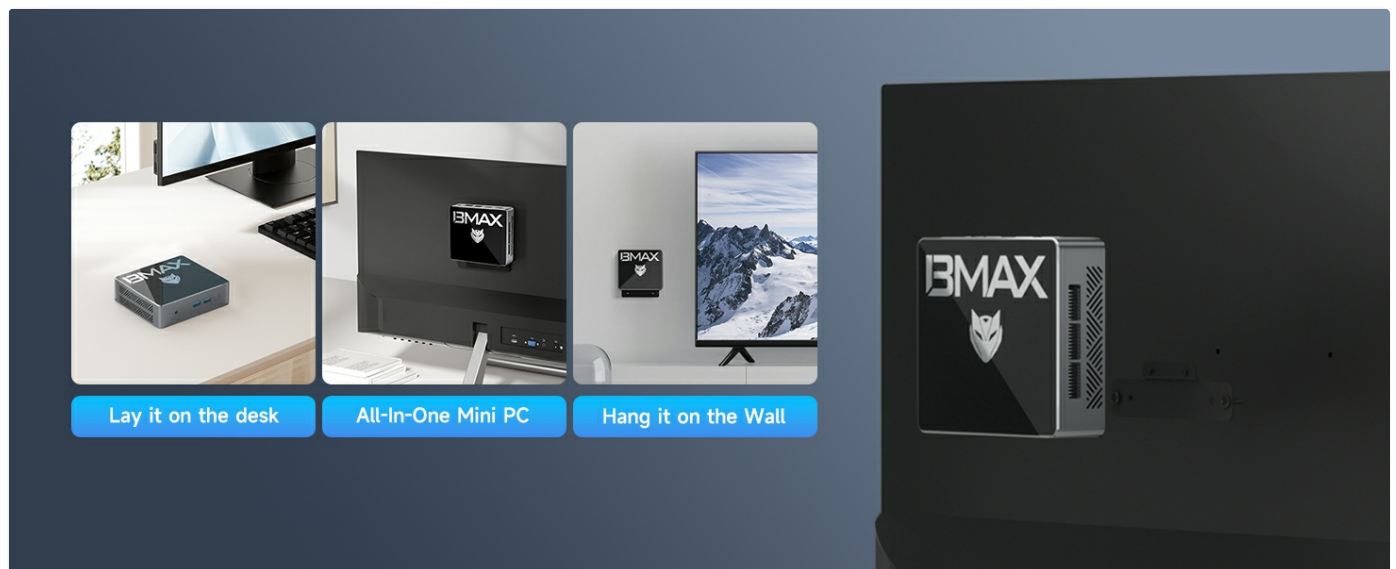


Figure 4.1: Flexible Placement Options

5. OPERATING INSTRUCTIONS

The Bmax B4 Pro is versatile and can be used for various computing tasks:

- **Daily Work:** Efficiently handle office applications, web browsing, and video conferencing.
- **4K Video Playback:** Enjoy high-resolution media content by connecting to a 4K display.
- **Photo/Video Editing:** Perform light to moderate photo and video editing tasks.
- **Light Gaming:** Suitable for casual games and older titles.
- **Home Theater PC (HTPC):** Connect to your TV for a compact entertainment system.

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Video 5.1: Demonstration of the Bmax B4 Pro Mini PC's capabilities, including 4K video playback, web browsing, office work, and light gaming.



Figure 5.1: Using the B4 Pro as a Home Theater PC



Figure 5.2: Daily Work with B4 Pro

6. MAINTENANCE

6.1 Cleaning

- Keep the mini PC clean and free from dust. Use a soft, dry cloth for external surfaces.
- Ensure ventilation openings are not blocked to maintain optimal airflow and cooling.

6.2 Storage Expansion

The B4 Pro includes a built-in 2.5" hard drive bay for additional storage. To install an HDD or SSD:

1. Power off the device and disconnect all cables.
2. Carefully open the mini PC casing.
3. Install your 2.5" SATA HDD/SSD into the designated bay.
4. Secure the drive and close the casing.



Figure 6.1: Easy Storage Expansion

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on monitor.	Loose HDMI cable, incorrect input selected on monitor, power issue.	Check HDMI connections. Ensure monitor is on and set to correct input. Verify power adapter is securely connected.
Mini PC does not power on.	Power adapter not connected, faulty power outlet.	Ensure power adapter is fully plugged into the PC and a working power outlet. Try a different outlet.
Slow performance.	Too many applications running, insufficient storage space, outdated drivers.	Close unnecessary applications. Free up disk space. Update drivers via Windows Update or Bmax support website.
Fan noise is loud.	High CPU load, blocked ventilation.	Ensure proper ventilation around the device. Reduce CPU-intensive tasks.
Wireless keyboard/mouse lag.	Interference, low battery, USB port power issue.	Move receiver closer to peripherals. Replace batteries. Try a different USB port.

7.1 Smart Recovery Environment

The Bmax B4 Pro includes a Smart Recovery Environment for system restoration. If you encounter persistent software issues, you can reset Windows to its factory settings. Refer to the on-screen instructions within the recovery environment for details.

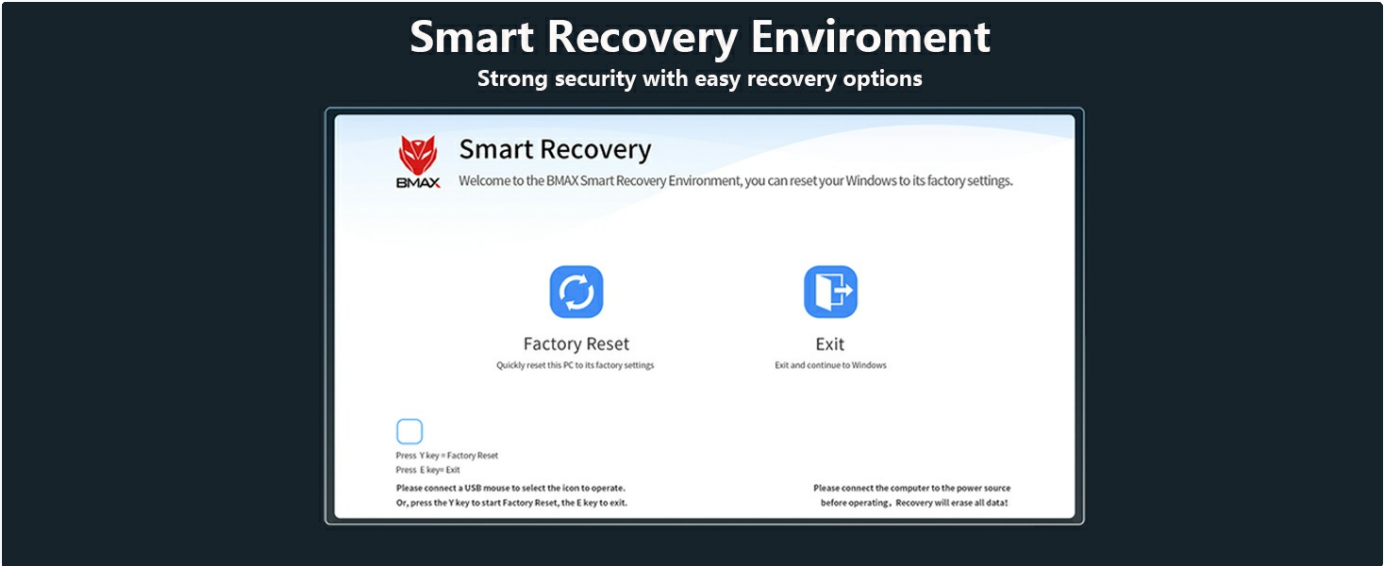


Figure 7.1: Smart Recovery Environment

8. SPECIFICATIONS

Component	Detail
Brand	Bmax
Model	B4 PRO
Processor	12th Gen Intel Alder Lake N97 (up to 3.60GHz)
RAM	16 GB DDR4 (SO-DIMM)
Storage	512 GB SSD (M.2 SATA), supports 2.5" HDD/SSD expansion
Graphics Coprocessor	Intel UHD Graphics 600

Component	Detail
Max Screen Resolution	3840 x 2160 (4K)
Operating System	Windows 11 Pro (pre-installed)
Wireless Type	WiFi 5, Bluetooth 4.2
USB Ports	2 x USB 3.2, 2 x USB 2.0
HDMI Ports	2 x HDMI 2.0
Audio Jack	1 x 3.5mm Headset Jack
Ethernet	Yes
Item Weight	1.59 pounds (approx. 721g)
Dimensions (L x W x H)	4.92 x 4.4 x 1.73 inches (approx. 12.5 x 11.2 x 4.4 cm)



9. WARRANTY AND SUPPORT

Bmax provides comprehensive support for your B4 Pro Mini PC:

- **Return Policy:** Return within 30 days of purchase.
- **Customer Service:** 7*24 hours one-to-one customer service.
- **Warranty:** 12 months warranty from the date of purchase.

For any quality issues or technical assistance, please contact Bmax customer support through the official channels provided at the point of purchase or on the Bmax website.

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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

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