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Bmax B8 Plus

Bmax B8 Plus Mini PC User Manual

Model: B8 Plus

1. INTRODUCTION

The Bmax B8 Plus Mini PC is a compact and powerful desktop computer designed for various applications, including office work, streaming, web browsing, and home entertainment. It is equipped with an Intel Core i5-12600H processor, 24GB LPDDR5 RAM, and a 512GB NVMe SSD, providing efficient performance for demanding tasks.

2. WHAT'S IN THE BOX

Carefully unpack your Bmax B8 Plus Mini PC and ensure all items are present:

- 1 x Bmax B8 Plus Mini PC
- 1 x User Manual
- 1 x VESA Mount and Screws
- 1 x Power Adapter (EU Plug)
- 1 x HDMI Cable

BMAX B8 Plus MINI PC

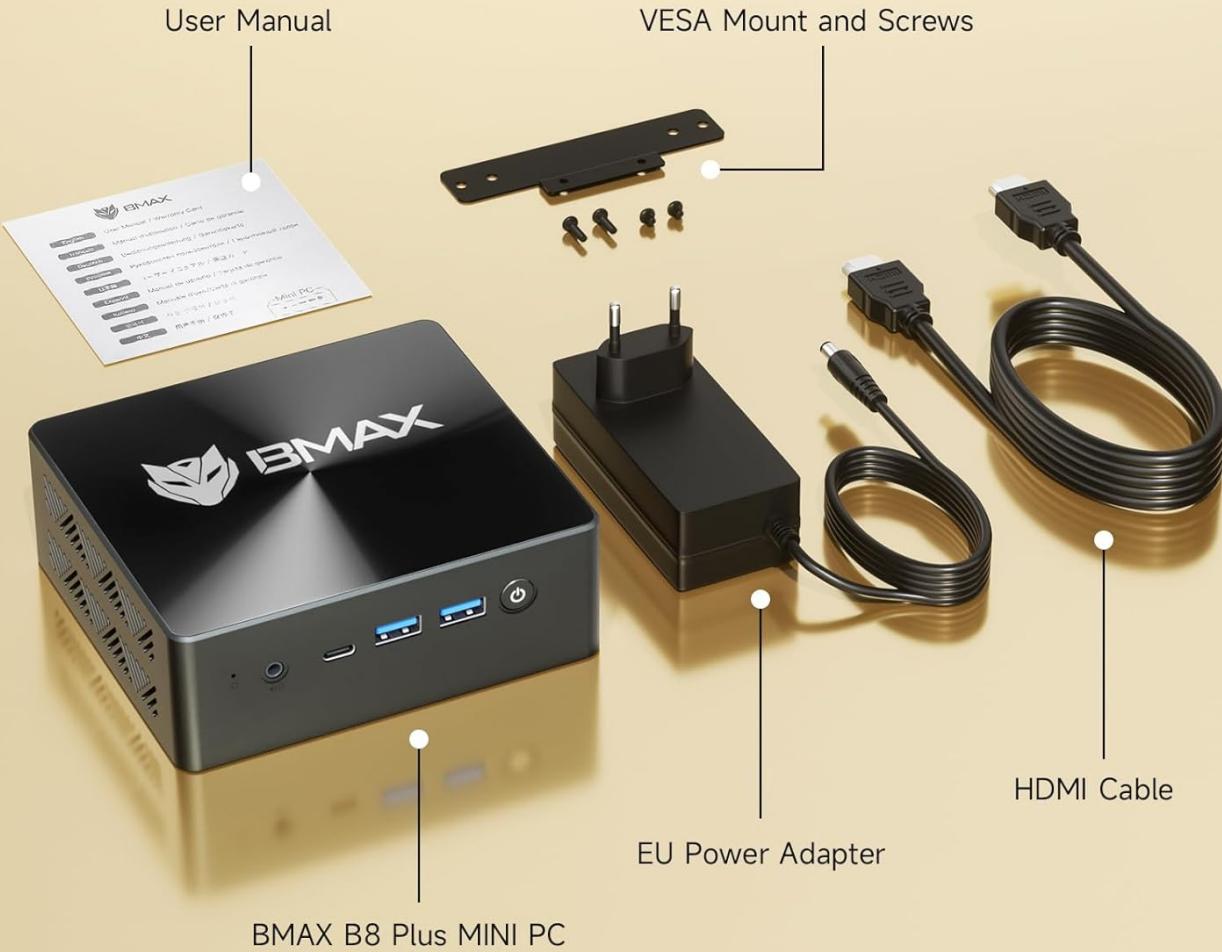


Image: Contents of the Bmax B8 Plus Mini PC package.

3. PRODUCT OVERVIEW

3.1. Front and Rear Ports

The Bmax B8 Plus Mini PC offers a variety of ports for connectivity:

- Front:** 2 x USB 3.0, 1 x USB Type-C (full features), 1 x 3.5-mm Stereo Headset Jack, Power Button, Clear CMOS button.
- Rear:** 2 x USB 2.0, 2 x HDMI 2.1, 1 x DC Jack (Power In), 1 x Ethernet Port.



24GB DDR5+1TB NVME



24GB LPDDR5/5200MHz



1TB NVMe SSD



M.2 NVMe 2280 x1

Image: Front and rear port layout of the Bmax B8 Plus Mini PC.

3.2. Key Features

- Processor:** Intel Core i5-12600H (12 Cores, 16 Threads, up to 4.5GHz).
- Graphics:** Integrated Intel Iris Xe Graphics, supporting 4K 60Hz triple display output.
- Memory:** 24GB LPDDR5 RAM.
- Storage:** 512GB NVMe SSD.
- Connectivity:** WiFi 5, Bluetooth 5.0.
- Cooling:** Built-in smart fan and dual copper heat pipes for efficient heat dissipation.
- Operating System:** Pre-installed Windows 11 Pro, with support for Linux (Ubuntu).

New 12th Generation Intel Core i5-12600H

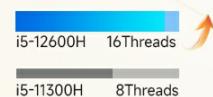
PassMark CPU Mark Score



Cores



Threads



12 Cores

18MB Intel Smart Cache

16 Threads

Lithography Technology

45W Maximum Power Consumption

Max Turbo Frequency

Intelligent AI

Office: lower efficiency

Game: Full Performance Release

Note: The test results are from the PassMark CPU Mark laboratory, and the test results are for reference only.

Image: Intel Core i5-12600H processor details and performance comparison.

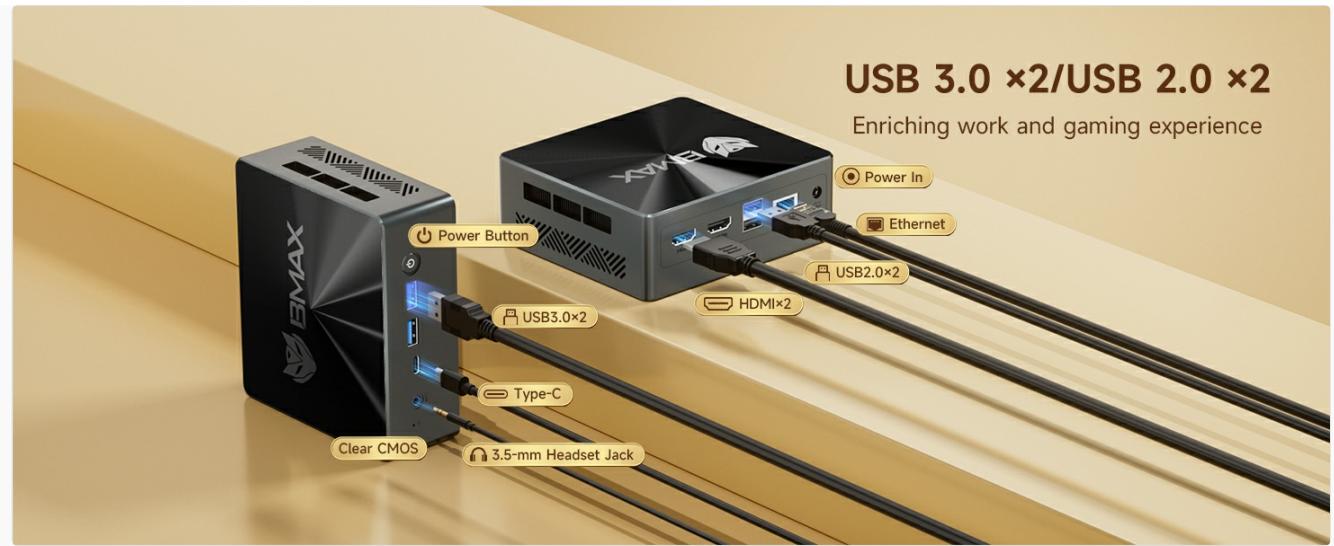


Image: Internal view showing memory and storage components.

4. SETUP INSTRUCTIONS

4.1. Connecting Peripherals

- Power Connection:** Connect the power adapter to the DC Jack on the rear of the Mini PC, then plug the adapter into a power outlet.
- Display Connection:** Connect your monitor(s) to the HDMI 2.1 ports or the Type-C port on the Mini PC using appropriate cables. The device supports up to three 4K displays simultaneously.
- Input Devices:** Connect your USB keyboard and mouse to the available USB 2.0 or USB 3.0 ports.
- Network Connection:** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, ensure your WiFi network is available.

4.2. Initial Power On

Press the power button located on the front of the Mini PC. The system will boot up, and the pre-installed Windows 11 Pro operating system will load. Follow the on-screen instructions for initial setup, including language, region, and network configuration.



Image: Example of triple display setup with the Mini PC.

5. OPERATING INSTRUCTIONS

5.1. Operating System

The Bmax B8 Plus comes with Windows 11 Pro pre-installed. You can also install other operating systems like Linux (Ubuntu) if desired. Refer to the respective OS documentation for detailed usage instructions.

5.2. Dual Mode Operation

The Mini PC features an innovative dual mode for performance management:

- **Performance Mode:** Provides maximum processing power with higher fan speeds for demanding applications.
- **Balance Mode:** Optimizes for quieter operation and reduced power consumption, suitable for general tasks.

Switching between modes may be available through system settings or a dedicated utility (refer to Bmax software documentation if applicable).

5.3. Triple Display Configuration

To configure multiple displays, connect your monitors and then access the display settings within your operating system. Windows 11 allows you to extend or duplicate your desktop across connected screens.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Mini PC:

- **Keep Vents Clear:** Ensure the ventilation openings are not obstructed to allow proper airflow and prevent overheating.
- **Dust Cleaning:** Periodically clean dust from the exterior of the device using a soft, dry cloth. For internal cleaning, it is recommended to consult a professional.
- **Software Updates:** Regularly update your operating system, drivers, and applications to maintain security and performance.
- **Environmental Conditions:** Operate the Mini PC in a clean, dry environment away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Bmax B8 Plus Mini PC, refer to the following common solutions:

Problem	Possible Solution
No power / System does not turn on	Check if the power adapter is securely connected to both the Mini PC and the power outlet. Ensure the power outlet is functional. Press the power button firmly.
No display on monitor	Verify that the HDMI or Type-C cable is securely connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.
Operating System issues (crashes, slow response)	Perform a system reset or recovery. The pre-installed OS includes options to reinstall or refresh the system, which can resolve software-related issues. Back up important data before performing a reset.

Problem	Possible Solution
No internet connection (wired)	Check the Ethernet cable connection. Verify your router and modem are working correctly. Check network settings in the operating system.
No internet connection (wireless)	Ensure WiFi is enabled in the operating system. Check if the correct WiFi network is selected and the password is entered correctly. Restart your router.

8. SPECIFICATIONS

Detailed technical specifications for the Bmax B8 Plus Mini PC:

Feature	Specification
Processor	Intel Core i5-12600H (up to 4.5 GHz, 12 Cores/16 Threads)
RAM	24GB LPDDR5
Storage	512GB NVMe SSD
Graphics	Integrated Intel Iris Xe Graphics
Max Screen Resolution	3840 x 2160 pixels (4K)
Video Output	2 x HDMI 2.1, 1 x Type-C (supports display output)
USB Ports	2 x USB 3.0, 2 x USB 2.0
Audio Port	1 x 3.5-mm Stereo Headset Jack
Network	WiFi 5, Bluetooth 5.0, Ethernet (RJ45)
Operating System	Windows 11 Pro (pre-installed), supports Linux
Item Weight	1.83 pounds
Package Dimensions	11.02 x 6.1 x 2.91 inches

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support, please refer to the warranty card included with your product or visit the official Bmax website. Keep your purchase receipt for warranty claims.