

Bmax B8 Pro

Bmax B8 Pro Mini PC User Manual

Model: B8 Pro

1. PRODUCT OVERVIEW

The Bmax B8 Pro Mini PC is a compact desktop computer designed for various applications, from office work and web browsing to streaming video and home entertainment. It features an Intel 12th Generation i7-1255U Processor, providing efficient performance for demanding tasks. The system is equipped with 24GB LPDDR5 RAM and a 1TB NVMe SSD, ensuring fast boot times, rapid application loading, and smooth multitasking.



Figure 1.1: The Bmax B8 Pro Mini PC, showcasing its compact design.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- 1 x B8 Pro MINI PC
- 1 x Power Adapter
- 1 x User Guide
- 1 x HDMI cable
- 1 x Metal Bracket (for VESA mounting)

BMAX B8 Pro MINI PC

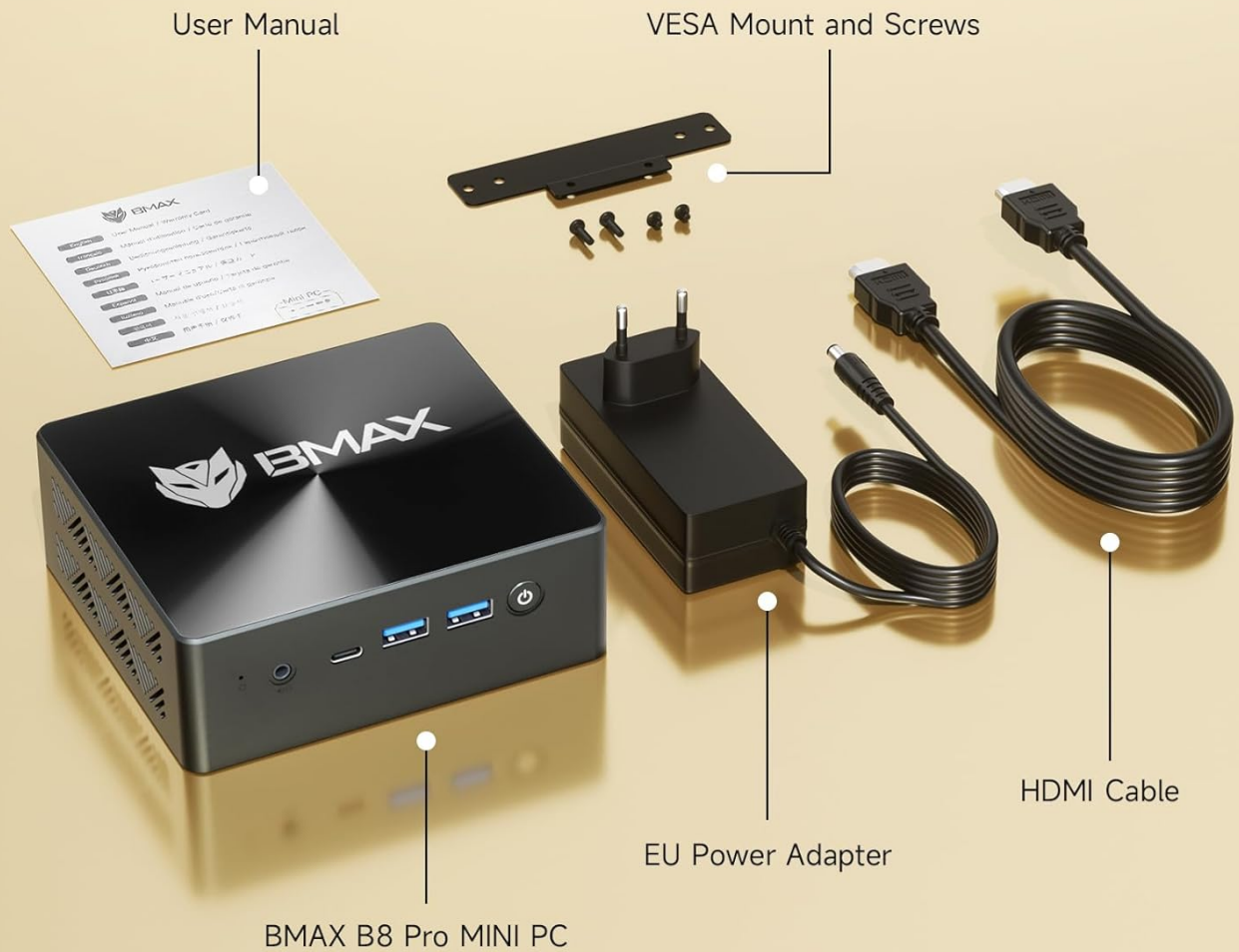


Figure 2.1: All items included in the Bmax B8 Pro Mini PC package.

3. SETUP GUIDE

3.1 Connecting Peripherals

Before powering on your Mini PC, connect your essential peripherals:

1. **Display:** Connect your monitor, TV, or projector using the HDMI port or Type-C port. The device supports 4K/60Hz resolution and triple-display configurations.
2. **Keyboard & Mouse:** Plug your USB keyboard and mouse into the available USB 2.0 or USB 3.0 ports.
3. **Audio:** Connect headphones or speakers to the 3.5mm headset jack on the front panel.
4. **Network:** For wired internet access, connect an Ethernet cable to the Gigabit Ethernet port.

12.5cm(L)×11.2cm(W)×4.4cm(H)



Figure 3.1: Front and rear views of the Bmax B8 Pro Mini PC, highlighting port locations and dimensions.

3.2 Powering On

Once all peripherals are connected:

1. Connect the power adapter to the DC-in port on the Mini PC.
2. Plug the power adapter into a wall outlet.
3. Press the power button located on the front panel of the Mini PC. The power indicator light will illuminate.
4. The system will boot up, and you will see the operating system (likely Windows 11 Pro) on your connected display. Follow any on-screen instructions for initial setup.

4. OPERATING INSTRUCTIONS

4.1 Operating System

The Bmax B8 Pro Mini PC typically comes pre-installed with Windows 11 Pro, providing a modern and secure user interface. Ensure your operating system is updated regularly for optimal performance and security.

4.2 Performance Features

The Mini PC is powered by an Intel 12th Generation i7-1255U Processor, featuring 10 cores and 12 threads with a max clock speed of 4.7 GHz. This processor delivers strong performance for various workloads, from everyday computing to more intensive applications.

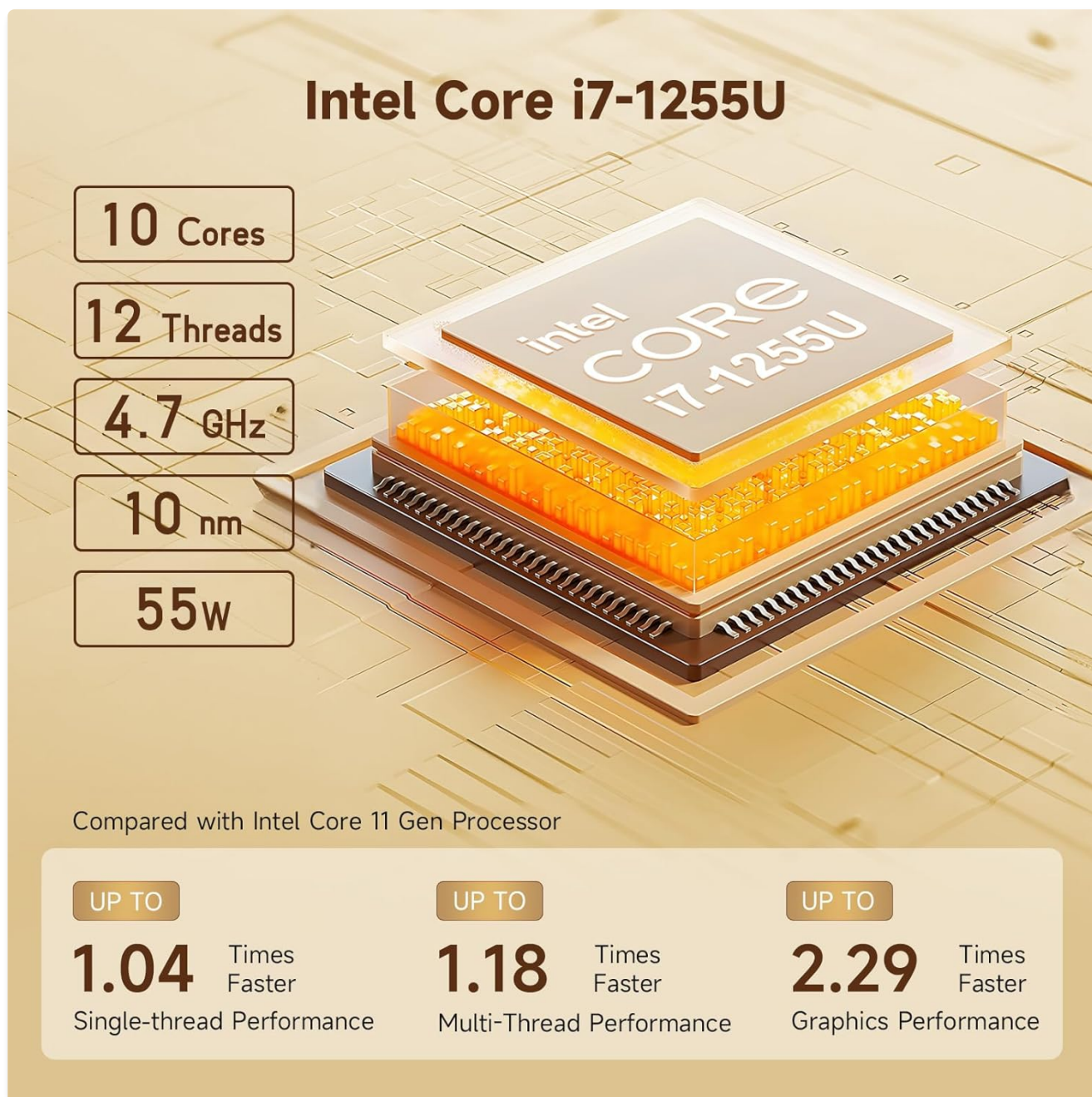


Figure 4.1: Details of the Intel Core i7-1255U Processor, highlighting its core count, threads, and clock speed. It includes 24GB of LPDDR5 RAM operating at 5200MHz and a 1TB NVMe SSD (M.2_NVMe 2280 x1). This high-speed memory and storage combination ensures quick data access and responsiveness, suitable for demanding software like Photoshop, Dreamweaver, Premiere, AI, and XD.

WiFi 6 Supports Faster Transmission Speed

Bluetooth 5.2 latency is lower, more stable and efficient

Wi-Fi 6

Bluetooth 5.2



Wifi 5 1x1	<div></div>	433Mbps
Wifi 6 2x2	<div></div>	2400 Mbps(2.4 Gbps)

Figure 4.2: Illustration of the dual-channel high-speed 24GB LPDDR5 RAM and 1TB NVMe SSD configuration.

4.3 Connectivity

The B8 Pro Mini PC offers robust connectivity options:

- **Wi-Fi 6:** Supports faster wireless transmission speeds and improved network efficiency compared to older Wi-Fi standards.
- **Bluetooth 5.2:** Provides lower latency and more stable connections for wireless peripherals.
- **Gigabit Ethernet:** For reliable high-speed wired network connections.
- **USB Ports:** Includes multiple USB 2.0 and USB 3.0 ports for connecting various devices.
- **HDMI & Type-C:** For video output to displays.

Dual Channel High Speed 24GB DDR5+1TB NVME



24GB LPDDR5/5200MHz



1TB NVMe SSD



M.2_NVMe 2280 x1



Figure 4.3: Visual representation of the Mini PC's support for WiFi 6 and Bluetooth 5.2, indicating faster transmission speeds.

5. MAINTENANCE

5.1 Cooling System

The B8 Pro Mini PC incorporates a smart fan and two copper heat pipes to ensure efficient heat dissipation and stable operation, even under load. Ensure proper airflow around the device by keeping vents clear.

Smart Fan+Two Copper Heat Pipes

Space Saving **VESA**
Mount Included

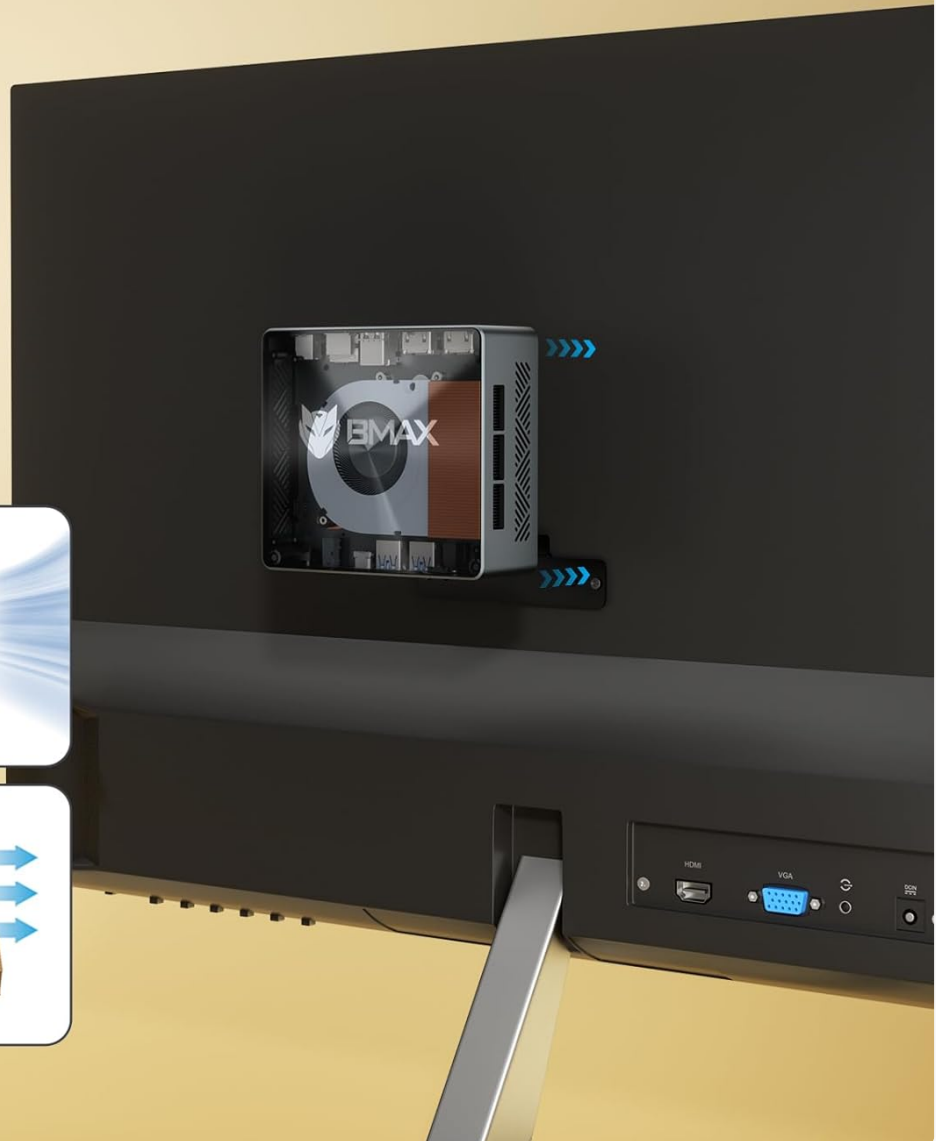


Figure 5.1: Diagram illustrating the smart fan and dual copper heat pipe cooling solution within the Mini PC.

5.2 Cleaning

To maintain optimal performance and longevity, regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation openings. Do not use liquid cleaners directly on the device.

6. TROUBLESHOOTING

If you encounter issues with your Bmax B8 Pro Mini PC, refer to the following common troubleshooting steps:

- **No Power:**

Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.

- **No Display:**
Verify that the HDMI or Type-C cable is firmly connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source.
- **Slow Performance:**
Check for background applications consuming excessive resources. Ensure the operating system and drivers are up to date. Consider running a disk cleanup or defragmentation if using an HDD (though this model uses SSD).
- **Network Connectivity Issues:**
For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network. For wired Ethernet, check the cable connection and router status.
- **System Unresponsive:**
If the system becomes unresponsive, press and hold the power button for 5-10 seconds to force a shutdown. Wait a few moments, then power it back on. If issues persist, locate the 'Clear CMOS' button (often a small pinhole) and follow instructions in the user guide for a CMOS reset.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	B8 Pro
Processor	Intel 12th Gen Core i7-1255U (4.7 GHz max)
RAM	24GB LPDDR5
Storage	1TB NVMe SSD
Graphics Card	Integrated
Max Screen Resolution	3840 x 2160 (4K)
Operating System	OS (typically Windows 11 Pro)
USB 2.0 Ports	2
USB 3.0 Ports	2
Connectivity	WiFi 6, Bluetooth 5.2, Gigabit Ethernet
Item Weight	1.87 pounds
Dimensions (L x W x H)	10.51 x 6.14 x 2.91 inches

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The Bmax B8 Pro Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Bmax website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.




8.2 Customer Support

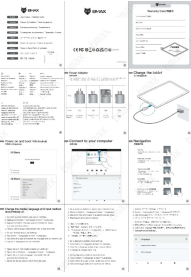


For technical assistance, troubleshooting, or warranty inquiries, please contact Bmax customer support through their official channels. You can often find contact information on the manufacturer's website or in the included user guide.

Visit the official Bmax Store on Amazon for more information and products:[Bmax Store](#)

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Related Documents - B8 Pro

	<p>BMAX Mini PC User Manual and Installation Guide</p> <p>Comprehensive user manual for BMAX Mini PC, covering initial setup, language settings, hardware installation (M.2 SSD, 2.5" HDD/SSD, memory modules), and recovery environment. Includes FCC compliance information and safety warnings.</p>
	<p>BMAX B2 PLUS Mini PC User Manual and Warranty Information</p> <p>Comprehensive guide for the BMAX B2 PLUS Mini PC, covering setup, features, and warranty details. Includes multilingual instructions and technical specifications.</p>
	<p>BMAX MB01 Tablet PC User Manual</p> <p>User manual for the BMAX MB01 Tablet PC, covering appearance, features, settings, and FCC compliance information.</p>

	<p>BMAX Kids Tablet I9 Plus User Manual - Features and Operation</p> <p>Official user manual for the BMAX Kids Tablet I9 Plus, featuring Android 15, 8GB RAM, 64GB ROM, a 10.1-inch screen, and Allwinner RK3562 processor. Learn about setup, features, and safety.</p>
	<p>BMAX Hoesjes en Screenprotectors: Perfecte Pasvorm en Optimale Bescherming</p> <p>Ontdek BMAX telefoonhoesjes, waaronder siliconen hardcases, carbon softcases en booktypes, ontworpen voor een perfecte pasvorm. Leer hoe u uw BMAX hoesje eenvoudig installeert voor optimale telefoonbescherming tegen krassen.</p>
	<p>BMAX Merchandising Refrigerator KXG-750 Product Specifications and Features</p> <p>Detailed overview of the BMAX Merchandising Refrigerator KXG-750, including core technology, flexible use applications, and comprehensive product specifications for various models.</p>