Bmax B8 Pro

Bmax B8 Pro Mini PC User Manual

Model: B8 Pro (i7-1255U 24GB+1TB)

1. INTRODUCTION

Thank you for choosing the Bmax B8 Pro Mini PC. This compact and powerful desktop computer is designed for a wide range of applications, from office work and streaming to web browsing and home entertainment. Featuring an Intel 12th Generation i7-1255U processor, 24GB LPDDR5 RAM, and a 1TB NVMe SSD, it offers excellent performance and efficiency in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new Mini PC.

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

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items 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)

Image 2.1: All components included in the Bmax B8 Pro Mini PC package.

3. PRODUCT OVERVIEW AND FEATURES

3.1. Key Components and Ports

The Bmax B8 Pro Mini PC is designed with essential ports for connectivity and expansion. Familiarize

yourself with the layout:

Image 3.1: Dimensions and port configuration of the Bmax B8 Pro Mini PC. Includes USB 2.0, USB 3.0, Ethernet, HDMI, Type-C, 3.5mm Headset Jack, and Power In.

- **Front Panel:** Power Button, 3.5mm Headset Jack, USB 3.0 ports (x2), Type-C port.
- **Rear Panel:** USB 2.0 ports (x2), HDMI ports (x2), Gigabit Ethernet port, Power Input.

3.2. Performance Highlights

The B8 Pro is equipped with advanced hardware for robust performance:

- **Processor:** Intel 12th Generation i7-1255U Processor (10 Cores, 12 Threads, up to 4.7 GHz). This CPU provides significant improvements in single-thread, multi-thread, and graphics performance compared to previous generations.
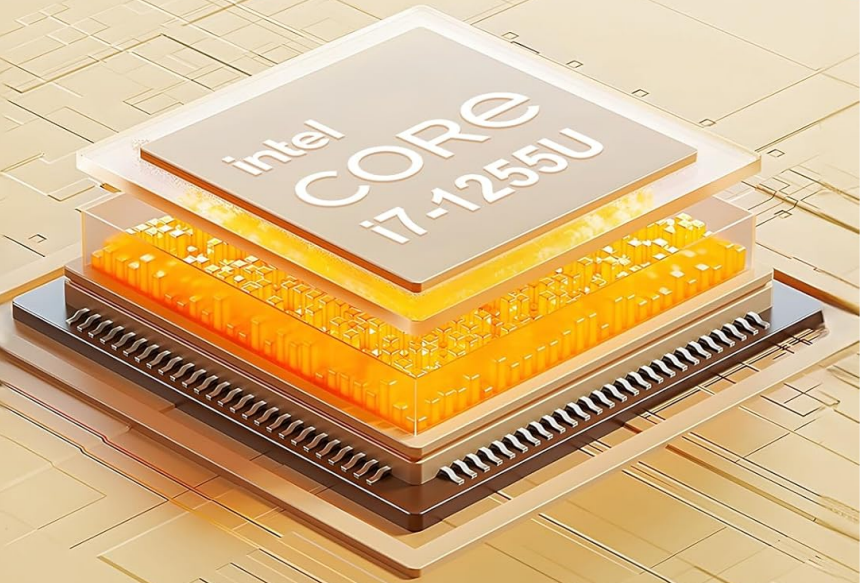
Intel Core i7-1255U

10 Cores

12 Threads

4.7 GHz

10 nm

55w

Compared with Intel Core 11 Gen Processor

UP TO
1.04 Times Faster
Single-thread Performance

UP TO
1.18 Times Faster
Multi-Thread Performance

UP TO
2.29 Times Faster
Graphics Performance

Image 3.2: Detailed specifications of the Intel Core i7-1255U processor.

- **Memory:** 24GB LPDDR5 RAM (5200MHz) for high-speed multitasking and efficient application handling.
- **Storage:** 1TB NVMe SSD (M.2_NVMe 2280 x1) ensuring fast boot times and rapid application loading.

Image 3.3: Illustration of the high-speed memory and storage capabilities.

- **Connectivity:** Integrated WiFi 6 for faster wireless transmission speeds and Bluetooth 5.2 for lower latency and more stable connections with peripherals.

Image 3.4: Comparison of WiFi 5 and WiFi 6 speeds, highlighting Bluetooth 5.2 benefits.

- **Display Support:** Supports 4K/60Hz triple-display output via Type-C and HDMI ports, ideal for multi-monitor setups.
- **Cooling System:** Features a smart fan and two copper heat pipes for efficient heat dissipation, ensuring stable performance even under load.

Image 3.5: Diagram illustrating the smart fan and copper heat pipe cooling solution.

4. SETUP GUIDE

Follow these steps to set up your Bmax B8 Pro Mini PC:

1. **Connect to Display:** Connect your monitor, TV, or projector to the Mini PC using an HDMI cable. The B8 Pro supports dual HDMI output and one Type-C output for triple display configurations.

2. **Connect Peripherals:** Plug in your keyboard and mouse to the available USB ports (USB 2.0 or USB 3.0).

3. **Connect to Power:** Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet.

4. **Power On:** Press the power button located on the front panel of the Mini PC. The power indicator light will illuminate.

5. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro initial setup, including language, region, network connection, and user account creation.

6. **Network Connection:** Connect to your network via Ethernet cable or Wi-Fi. For Wi-Fi, select your network from the available list and enter the password.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

- **Power On/Off:** Press the power button to turn on the PC. To shut down, click the Start button in Windows, then select Power > Shut down.
- **Restart:** From the Start menu, select Power > Restart.
- **Sleep Mode:** From the Start menu, select Power > Sleep.

5.2. Connecting to External Devices

- **USB Devices:** Connect USB flash drives, external hard drives, printers, or other USB devices to any available USB port.
- **Bluetooth Devices:** To connect Bluetooth headphones, speakers, or other devices, go to Windows Settings > Bluetooth & devices, turn on Bluetooth, and pair your device.
- **Audio Output:** Use the 3.5mm headset jack on the front panel for headphones or external speakers. Alternatively, audio can be output through HDMI to your display.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation grilles to prevent overheating. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Keep your Windows operating system and drivers updated. Go to Windows Settings > Windows Update to check for and install updates.
- **Storage Management:** Periodically check your storage usage. Delete unnecessary files, uninstall unused programs, or use Windows Disk Cleanup to free up space on your 1TB NVMe SSD.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area. Do not block the air vents.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power / PC does not turn on	Power adapter not connected properly; Power outlet issue; Faulty power adapter.	Ensure power adapter is securely connected to both PC and outlet. Try a different power outlet. Verify power adapter is working.
No display on monitor	HDMI/Type-C cable loose or faulty; Incorrect input source on monitor; Monitor off or faulty.	Check display cable connections. Ensure monitor is on and set to the correct input source (HDMI 1, HDMI 2, etc.). Try a different cable or monitor.

Problem	Possible Cause	Solution
No internet connection (Wi-Fi)	Wi-Fi disabled; Incorrect Wi-Fi password; Router issue; Driver issue.	Ensure Wi-Fi is enabled in Windows settings. Re-enter Wi-Fi password. Restart your router. Check for updated Wi-Fi drivers.
No sound	Volume muted; Incorrect audio output device selected; Driver issue.	Check volume levels and ensure it's not muted. In Windows Sound settings, select the correct output device. Update audio drivers.
PC runs slowly or freezes	Too many applications running; Low disk space; Overheating; Malware.	Close unnecessary applications. Free up disk space. Ensure proper ventilation. Run a malware scan.

8. SPECIFICATIONS

Detailed technical specifications for the Bmax B8 Pro Mini PC:

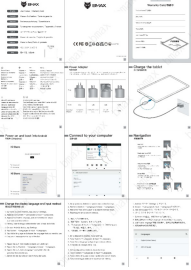| Feature	Specification
Brand	Bmax
Model Name	B8 Pro
Processor	Intel 12th Generation Core i7-1255U (4.7 GHz max)
RAM	24GB LPDDR5
Hard Drive	1TB NVMe SSD
Graphics Card	Integrated
Operating System	OS (Windows 11 Pro pre-installed)
Screen Resolution	3840 x 2160 (4K)
USB 2.0 Ports	2
USB 3.0 Ports	2
Connectivity	WiFi 6, Bluetooth 5.2, Gigabit Ethernet
Dimensions (L x W x H)	12.5cm x 11.2cm x 4.4cm (approx. 4.92 x 4.41 x 1.73 inches)
Item Weight	1.87 pounds (approx. 848g)

9. WARRANTY AND SUPPORT

Bmax products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bmax website. If you encounter any issues that cannot be resolved using the troubleshooting guide, or require further assistance,

please contact Bmax customer support through their official channels. When contacting support, please have your product model number (B8 Pro) and purchase information ready.

Related Documents - B8 Pro

	BMAX Mini PC User Manual and Installation Guide 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.
	BMAX B2 PLUS Mini PC User Manual and Warranty Information Comprehensive guide for the BMAX B2 PLUS Mini PC, covering setup, features, and warranty details. Includes multilingual instructions and technical specifications.
	BMAX MB01 Tablet PC User Manual User manual for the BMAX MB01 Tablet PC, covering appearance, features, settings, and FCC compliance information.
	BMAX Kids Tablet I9 Plus User Manual - Features and Operation 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.
	BMAX Merchandising Refrigerator KXG-750 Product Specifications and Features Detailed overview of the BMAX Merchandising Refrigerator KXG-750, including core technology, flexible use applications, and comprehensive product specifications for various models.

[BMAX Phone Cases: Perfect Fit & Optimal Protection Guide](#)

Explore BMAX phone cases, including silicone hard, carbon soft, booktype, and bookcase styles, all designed for a perfect fit. Learn installation tips and discover how BMAX cases provide optimal protection against scratches and drops, complementing BMAX screen protectors.