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› [Bmax B2 Power Mini PC User Manual - Intel 5205U, 8GB RAM, 256GB SSD](#)

Bmax B2 Power

Bmax B2 Power Mini PC User Manual

Model: B2 Power (Intel 5205U, 8GB DDR4, 256GB NVMe SSD)

1. INTRODUCTION

Welcome to the Bmax B2 Power Mini PC user manual. This guide provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your new mini desktop computer. The Bmax B2 Power is designed for efficient office work, daily computing tasks, and multimedia consumption, featuring an Intel 5205U processor, 8GB DDR4 RAM, and a 256GB M.2 NVMe SSD.

Please read this manual thoroughly before using your device to ensure proper functionality and to maximize its lifespan.

2. WHAT'S IN THE Box

Upon unpacking, please verify that all items listed below are included in your package:

- 1 x Bmax B2 Power Intel Celeron 5205U Mini PC
- 1 x Power Adapter
- 1 x VESA Mount with Screws
- 1 x HDMI Cable
- 1 x User Manual

RETAIL BOXES PACKAGING



- ① **B2 Power MINI PC**
- ② **Power Adapter**
- ③ **HDMI Cable (1.5m)**
- ④ **Multi-language User Guide**
- ⑤ **Metal Bracket (for VESA mounting)**

Image: All components included in the Bmax B2 Power Mini PC package.

3. PRODUCT OVERVIEW

The Bmax B2 Power Mini PC is a compact and efficient desktop solution. Below are the key physical features and port

configurations.



Image: Front and rear views of the Bmax B2 Power Mini PC.

Port Configuration

Familiarize yourself with the available ports for connecting peripherals and displays:

- **Front Panel:**

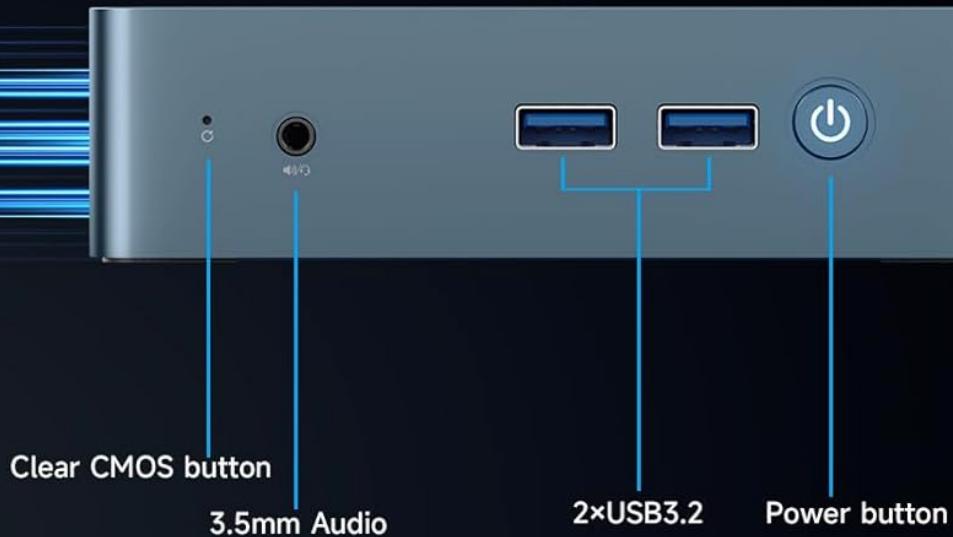
- 1 x Clear CMOS button
- 1 x 3.5mm Audio Jack (Headphone & Microphone)
- 2 x USB 3.2 Ports
- 1 x Power Button

- **Rear Panel:**

- 1 x RJ45 LAN Port (Gigabit Ethernet)
- 1 x HDMI 1.4b Port (4K@60Hz)
- 1 x DisplayPort 1.2
- 2 x USB 2.0 Ports
- 1 x DC Power Port

Connect More. Do More

Supports monitors, TVs, printers, projectors
surveillance systems & more.



HDMI

DP

USB2.0x2

Ethernet Port

Power jack

Image: Labeled diagram of the Bmax B2 Power Mini PC's front and rear ports.

Video: A Quick Tour of All The Ports

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Video: This video provides a visual walkthrough of all the available ports on the Bmax B2 Power Mini PC, highlighting their locations and types.

4. INITIAL SETUP

Follow these steps to set up your Bmax B2 Power Mini PC for the first time:

1. **Connect to a Display:** Use the provided HDMI cable or a DisplayPort cable to connect your Mini PC to a monitor or TV.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect to Power:** Connect the power adapter to the DC Power Port on the rear of the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button on the front panel of the Mini PC. The system will begin to boot.
5. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows operating system setup, including language, region, network connection, and user account creation.

High-Performance Memory & Ample Storage



256GB M.2 NVMe SSD
(Expandable up to 2TB)



8GB DDR4 RAM
(up to 2 x 32GB)



Image: A Bmax B2 Power Mini PC connected to a monitor and peripherals.

Video: From Off to Desktop in Seconds!

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Video: This video demonstrates the quick boot-up process of the Bmax B2 Power Mini PC from power-off to the Windows desktop.

5. OPERATING YOUR MINI PC

Connecting to the Internet

Your Bmax B2 Power Mini PC supports both wired and wireless internet connections.

- **Wired Connection (Ethernet):** Connect an Ethernet cable from your router or modem to the RJ45 LAN port on the rear of the Mini PC.
- **Wireless Connection (Wi-Fi):** During initial setup, you will be prompted to connect to a Wi-Fi network. If you skipped this, navigate to Windows Settings > Network & Internet > Wi-Fi, select your network, and enter the password. The device supports 2.4G/5G dual-band Wi-Fi 5.

Dual Display Setup

The B2 Power supports dual 4K display output via its HDMI 1.4b and DisplayPort 1.2 interfaces, enhancing productivity for multitasking environments.

1. Connect your primary monitor to either the HDMI or DisplayPort.
2. Connect your secondary monitor to the remaining video output port.
3. Once both monitors are connected, Windows should automatically detect them. You can configure display settings (extend, duplicate, etc.) by right-clicking on the desktop and selecting "Display settings."

Declutter Your Desk



Image: Dual 4K display setup for enhanced productivity.

Storage Expansion

The B2 Power Mini PC comes with a 256GB M.2 NVMe SSD and supports dual M.2 slot expansion for up to 4TB of total storage. For detailed instructions on installing additional storage, please refer to the official Bmax support website or consult a qualified technician.

Intel Celeron 5205U Processor

2/2

Cores
Threads

2MB

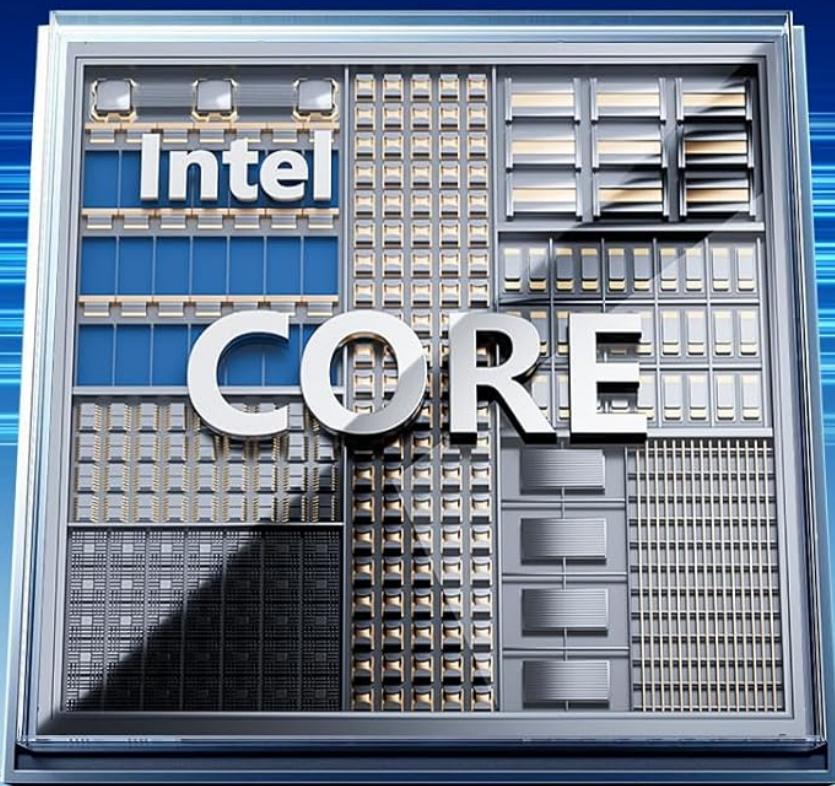
Intel
Smart Cache

1.9GHz

Base
Frequency

15W

TDP



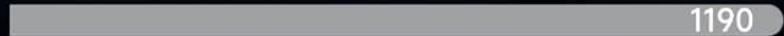
PassMark CPU Mark

Intel Celeron 5205U



1215

Intel Celeron 6305



1190

Intel Celeron N4500



1125

Image: Internal components showing the 8GB DDR4 RAM and 256GB NVMe SSD, with space for additional M.2 storage.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. For vents, use compressed air to remove dust buildup. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Regularly check for and install Windows updates and driver updates to maintain system stability and security.
- **Storage Management:** Periodically clean up unnecessary files and applications to free up disk space and improve performance.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area and that its vents are not obstructed to prevent overheating.

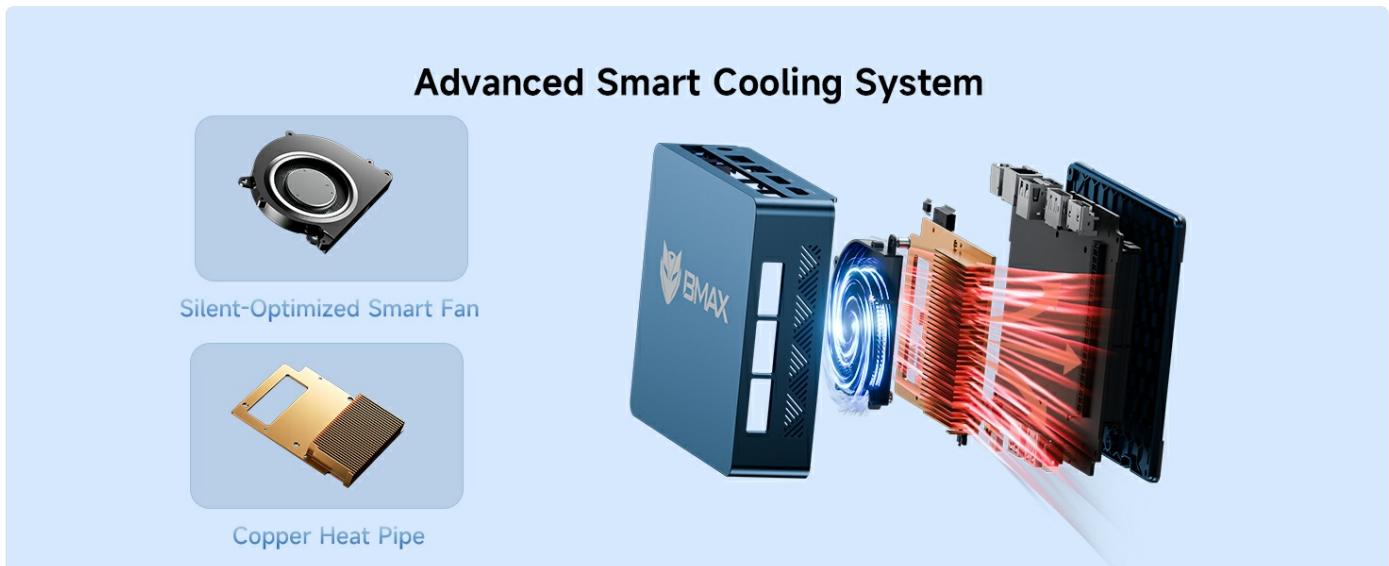


Image: Advanced cooling system design with silent-optimized smart fan and copper heat pipe.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Bmax B2 Power Mini PC.

Problem	Possible Cause	Solution
No display on monitor	Incorrect cable connection, monitor input not selected, power issue.	Ensure HDMI/DisplayPort cable is securely connected. Select correct input on monitor. Verify power adapter is connected and power button is pressed.
No internet connection	Wi-Fi not connected, Ethernet cable loose, router issue.	Check Wi-Fi settings and password. Ensure Ethernet cable is securely plugged in. Restart your router/modem.
Slow performance	Too many background applications, low disk space, outdated drivers.	Close unnecessary programs. Free up disk space. Update Windows and device drivers.
System not booting	Power issue, corrupted OS.	Check power connections. Try the Bmax exclusive Smart Recovery System (see below).

Bmax Exclusive Smart Recovery System

If your system encounters issues, you can restore your PC to its factory-fresh condition using the Bmax recovery tool. This process typically takes 5-10 minutes.

1. **Step 1: Power On** - Power on your Mini PC.
2. **Step 2: Enter Recovery Mode** - As soon as the screen lights up, immediately and repeatedly tap the **F9** key until

the System Recovery menu appears.

3. Step 3: Start the Recovery - You have two options:

- Using Keyboard: Press the **Y** key to begin the factory reset.
- Using Mouse: Click the **[Restore System]** button.

The recovery process will begin and will take approximately 5-10 minutes. Your PC may restart during this time.

4. Step 4: Set Up Windows - Once complete, you will be greeted by the initial Windows setup screen. Simply follow the on-screen instructions to set up your fresh system.

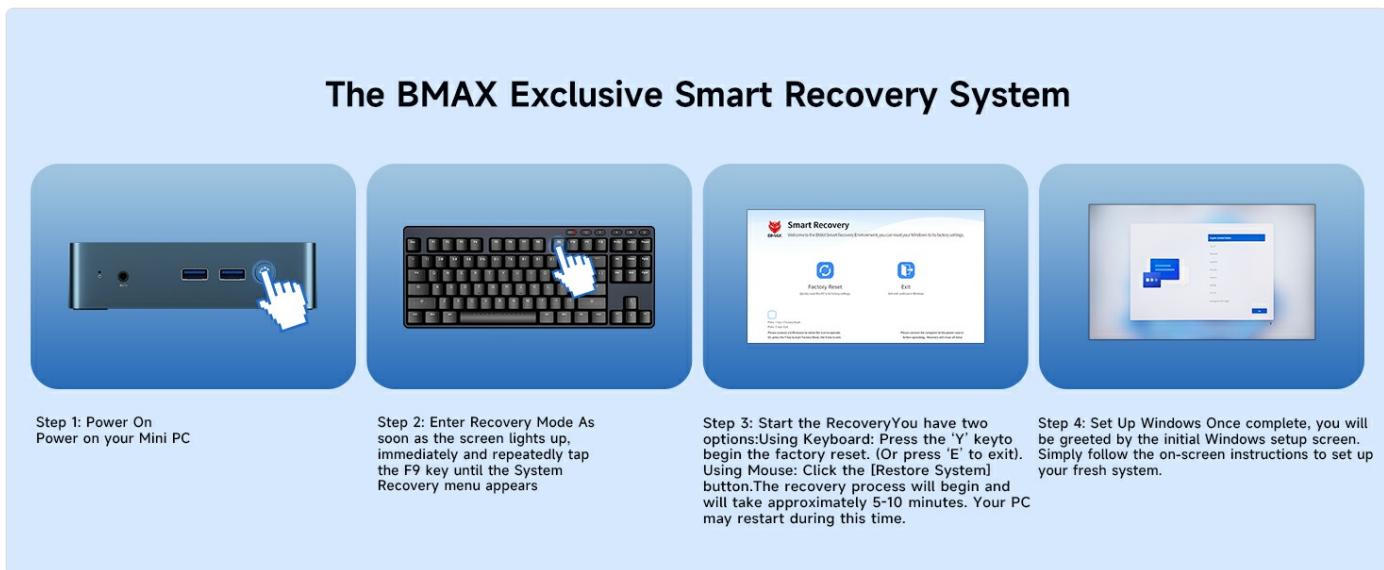


Image: Visual guide for the Bmax Exclusive Smart Recovery System.

8. TECHNICAL SPECIFICATIONS

Processor	Intel Celeron 5205U (2 Cores/2 Threads, 1.9GHz)
Graphics	Intel UHD Graphics
RAM	8GB DDR4 (Expandable to 64GB)
Storage	256GB M.2 NVMe SSD (Dual M.2 slot expansion up to 4TB)
Operating System	OS (Pre-installed Windows 11 Pro mentioned in video)
Video Output	1 x HDMI 1.4b (4K@60Hz), 1 x DisplayPort 1.2
USB Ports	2 x USB 3.2, 2 x USB 2.0
Network	Gigabit Ethernet (RJ45), Wi-Fi 5 (2.4G/5G Dual Band)
Bluetooth	Bluetooth 5.0
Audio	1 x 3.5mm Audio Jack (HP&MIC)
Dimensions	4.92 x 4.41 x 1.3 inches
Weight	10.6 ounces

9. WARRANTY AND SUPPORT

Bmax offers a 1-year limited warranty for each Mini PC, starting from the date of purchase. This warranty covers defects due to design and workmanship. For any technical questions, general inquiries, or warranty claims, please use the following contact methods:

- For Amazon Purchases:** Contact Bmax directly through your Amazon order history. Go to "Your Orders," find your Bmax product, and select "Get product support."
- Direct Support Team:** Email minipcfae@bmaxit.com for prompt assistance.

How We Deliver Unbeatable Value

Focused Performance
We pack in the power you need for 99% of daily tasks and leave out the costly extras you don't.



Lean & Efficient
Our direct-to-consumer model and efficient designs mean you're not paying for flashy marketing or brand hype. You pay for the product.



Reliability is Standard
We use proven, reliable components to ensure your BMAX is a long-term partner, not a short-term gadget.



Image: Bmax Warranty and Support contact information.

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Related Documents - B2 Power

	<p><u>BMAX Mini PC User Manual and Installation Guide</u></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><u>BMAX Kids Tablet I9 Plus User Manual - Features and Operation</u></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 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 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>
	<p>Beelink Mini PC Auto Power On Configuration Guide</p> <p>Instructions on how to enable the automatic power-on feature for Beelink Mini PCs using either BIOS settings or a hardware jumper.</p>