

BMAX B2 Power

BMAX Mini PC B2 Power User Manual

Model: B2 Power

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your BMAX Mini PC B2 Power. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

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

- 1x BMAX Mini PC B2 Power
- 1x EU Power Adapter
- 1x 1.5m HDMI Cable
- 1x VESA Mount with Screws
- 1x User Manual

1× BMAX Mini PC B2Power 1× Adaptateur EU

1× Câble HDMI de 1,5 m

1× Support VESA avec
vis incluses

1× Manuel de l'utilisateur



Image: Contents of the BMAX Mini PC B2 Power package. This includes the mini PC unit, power adapter, HDMI cable, VESA mounting bracket, and the user manual.

3. PRODUCT OVERVIEW

The BMAX Mini PC B2 Power is a compact and efficient desktop computer designed for various applications, from office work to home entertainment. It features an Intel Celeron 5205U processor, 8GB DDR4 RAM, and a 256GB NVMe SSD, with support for dual 4K 60Hz displays.

3.1 Key Features

- **Processor:** Intel Celeron 5205U (2C/2T, 3MB Cache, up to 1.9 GHz, 15W TDP)
- **Operating System:** Pre-installed Windows 11 Pro, supports Linux and Ubuntu
- **Memory:** 8GB DDR4 RAM (expandable up to 64GB)
- **Storage:** 256GB M.2 NVMe SSD (expandable up to 2TB via two M.2 slots)
- **Graphics:** Intel UHD Graphics, supports dual 4K 60Hz display output via HDMI and DP
- **Connectivity:** Gigabit Ethernet, Wi-Fi 5, Bluetooth 5.0
- **Ports:** 2x USB 3.2, 2x USB 2.0, 1x HDMI, 1x DP, 1x RJ45, 1x DC, 1x Microphone port
- **Compact Design:** Measures 12.5 cm x 11.2 cm x 3.3 cm, VESA mount compatible



BMAX Mini PC B2 Power



Image: Overview of the BMAX Mini PC B2 Power, showcasing its compact design, Intel 5205U processor, 8GB DDR4 RAM, 256GB NVMe SSD, dual 4K display support, efficient cooling, Gigabit Ethernet, Wi-Fi 5, and various ports.



Image: Detailed specifications of the Intel Celeron 5205U processor, including 14nm process technology, 1.90GHz base frequency, 2MB L3 cache, and 15W power consumption. A Cinebench R23 score comparison shows its performance relative to the N4000.

4. SETUP GUIDE

4.1 Connecting Peripherals

Before powering on your Mini PC, connect all necessary peripherals:

1. **Display:** Connect your monitor(s) to the HDMI or DisplayPort (DP) outputs using the provided HDMI cable or a compatible DP cable. The Mini PC supports dual 4K 60Hz displays.
2. **Keyboard and Mouse:** Connect your USB keyboard and mouse to the available USB 2.0 or USB 3.2 ports.
3. **Network:** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, ensure your Wi-Fi network is available.
4. **Audio:** If using external speakers or headphones, connect them to the 3.5mm audio jack.
5. **Power:** Connect the power adapter to the DC port on the Mini PC, then plug the adapter into a power outlet.

Grande variété de ports d'extension

Répond à tous vos besoins



Clavier



Imprimante



Moniteurs



TV



Audio



Projecteur

Réinitialisation

CMOS

Prise audio 3.5 mm

USB 3.2 ×2



HDMI 1.4b

DP 1.2

USB 2.0 ×2

RJ45

DC 12V/2A

Image: A detailed diagram showing the various ports on the BMAX Mini PC. These include a CMOS reset button, 3.5mm audio jack, USB 3.2 ports (x2), power button, HDMI 1.4b port, DP 1.2 port, USB 2.0 ports (x2), RJ45 Gigabit Ethernet port, and a DC 12V/2A power input.

4.2 First Power On

After connecting all peripherals, press the power button on the front of the Mini PC. The system will boot up, and you will see the Windows 11 Pro setup screen (if it's the first use) or the login screen.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** Press the power button to turn on. To turn off, use the Windows shutdown option or press and hold the power button for 5 seconds.
- **Restart:** Use the Windows restart option.
- **Sleep Mode:** Use the Windows sleep option.

5.2 Dual Display Setup

The BMAX Mini PC supports connecting two monitors simultaneously for an extended desktop experience. Connect one monitor to the HDMI port and another to the DisplayPort (DP). Windows will automatically detect both displays. You can configure display settings (extend, duplicate, primary display) via the Windows Display Settings.

Double affichage 4K à 60 Hz



HDMI 1.4b



DP 1.2



Image: The BMAX Mini PC B2 Power connected to two monitors, demonstrating its dual 4K 60Hz display capability via HDMI and DisplayPort. This setup is ideal for enhanced productivity or immersive entertainment.

5.3 Wireless Connectivity

- **Wi-Fi:** The Mini PC supports Wi-Fi 5 (802.11ac) dual-band (2.4GHz/5GHz). To connect, go to Windows Settings > Network & Internet > Wi-Fi, select your network, and enter the password.
- **Bluetooth:** Bluetooth 5.0 is integrated. To pair devices, go to Windows Settings > Devices > Bluetooth & other

devices, turn on Bluetooth, and select "Add Bluetooth or other device."

Connectivité sans fil



**WiFi 5 Dual Band
2,4GHz/5GHz**



Bluetooth 5.0



1G RJ45 LAN



Image: The BMAX Mini PC B2 Power illustrating its wireless capabilities, including Wi-Fi 5 Dual Band (2.4GHz/5GHz) and Bluetooth 5.0, alongside its 1G RJ45 LAN port for wired connections.

6. STORAGE AND MEMORY EXPANSION

The BMAX Mini PC B2 Power offers flexible options for upgrading its RAM and storage capacity.

6.1 RAM Upgrade

- The Mini PC has two DDR4 SODIMM slots and supports up to 64GB of RAM.
- To upgrade, carefully open the chassis, locate the SODIMM slots, and insert compatible DDR4 memory modules.

6.2 SSD Expansion

- The device includes two M.2 slots: one NVMe PCIe 3.0x2 and one SATA/NVMe PCIe 3.0x4.
- Storage can be expanded up to 2TB using compatible M.2 SSDs.
- To install or upgrade an SSD, open the chassis, locate the M.2 slots, and secure the new SSD.

Note: Opening the chassis for upgrades should be done carefully to avoid damaging internal components. If you are unsure, seek professional assistance.

Extension facile du stockage



SSD NVMe 256Go, Max 2 To



8Go DDR4, Max 64 Go

2 barrettes de mémoire
SO-DIMM DDR4
Jusqu'à 64 Go

Emplacement SSD
M.2 2280 SATA ou
NVMe PCIe Gen3.0 x4

SSD 256 Go
M.2 2280 NVMe PCIe
Gen3.0 x2



Image: An internal view of the BMAX Mini PC B2 Power, highlighting the two DDR4 SO-DIMM memory slots (expandable up to 64GB) and the two M.2 SSD slots (one NVMe PCIe Gen3.0 x2 and one SATA/NVMe PCIe Gen3.0 x4, expandable up to 2TB).

7. MAINTENANCE

7.1 Cleaning

- Keep the Mini PC clean and free from dust. Use a soft, dry cloth for external surfaces.

- For internal cleaning (e.g., fan and vents), use compressed air. Ensure the device is powered off and unplugged before cleaning.

7.2 Software Updates

- Regularly update your operating system (Windows 11 Pro) and drivers to ensure optimal performance and security.
- Check the BMAX official website for any specific driver updates for your model.

7.3 Environmental Conditions

- Operate the Mini PC in a well-ventilated area to prevent overheating.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Power adapter not connected, faulty outlet, power button issue.	Ensure power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet.
No display on monitor	Incorrect cable connection, monitor input not selected, faulty cable/monitor.	Check HDMI/DP cable connections. Ensure monitor is set to the correct input source. Test with a different cable or monitor if possible.
Wi-Fi/Bluetooth not working	Drivers not installed, Wi-Fi/Bluetooth turned off in OS, hardware issue.	Check Windows settings to ensure Wi-Fi/Bluetooth is enabled. Update network drivers. Restart the Mini PC.
Slow performance	Too many applications running, insufficient RAM, full storage, overheating.	Close unnecessary applications. Check task manager for resource usage. Consider upgrading RAM/SSD. Ensure proper ventilation.

If the problem persists, please contact BMAX customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	BMAX
Model Number	B2 Power
Operating System	Windows 11 Pro, supports Linux, Ubuntu
Processor Brand	Intel
Processor Type	Celeron 5205U

Feature	Detail
Processor Speed	1.9 GHz
Number of Cores	2
RAM	8 GB DDR4
Maximum Memory	64 GB
Hard Drive Size	256 GB
Hard Drive Technology	SSD (M.2 NVMe)
Graphics Coprocessor	Intel UHD Graphics
Graphics Card Description	Integrated
Resolution	3840x2160 (4K)
Connectivity Type	Bluetooth, Wi-Fi, Ethernet
Wireless Technology Type	802.11a/b/g/n/ac (Wi-Fi 5)
USB Ports	2x USB 3.2, 2x USB 2.0
HDMI Ports	1
DisplayPort (DP)	1
RJ45 Port	1
Audio Interface	3.5mm Audio Jack
Item Dimensions (L x W x H)	12.5 x 11.2 x 3.3 cm
Product Weight	300 Grams
Specific Uses	Education, Business, Gaming, Photo Editing, Video Editing, Multimedia, Daily Use

10. WARRANTY AND SUPPORT

10.1 Limited Warranty

BMAX offers a limited 12-month warranty for each Mini PC, effective from the date of purchase. This warranty covers any defects in design or manufacturing. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, updates, or troubleshooting beyond this manual, please contact BMAX customer support. You can typically find support contact information on the official BMAX website or through your purchase platform. For Amazon purchases, you can access support via: Amazon Account → Your Orders → "Ask a product question". BMAX provides a professional after-sales team ready to assist with your needs, including a 30-day free return policy and

lifetime technical assistance.

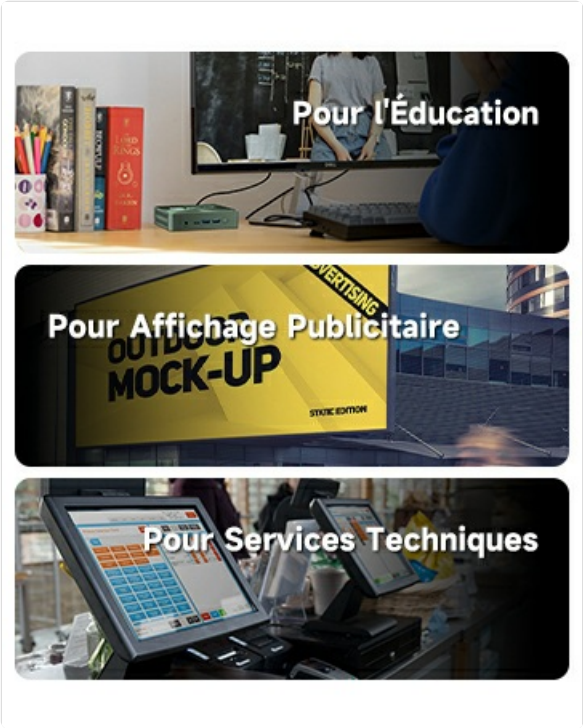


Image: Information regarding BMAX after-sales support, including 12-month manufacturer warranty, customer service, lifetime technical assistance, and Amazon fulfillment. It also mentions a 30-day return or exchange policy and 24-hour customer assistance.

