

## Bmax B6 Pro

# Bmax B6 Pro Mini PC User Manual

Model: B6 Pro

Brand: Bmax

## INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Bmax B6 Pro Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

## WHAT'S IN THE BOX

- 1 x BMAX B6 Pro Mini PC
- 1 x HDMI cable
- 1 x VESA Mount with Screws
- 1 x US Power Adapter
- 1 x User Manual



Image: The Bmax B6 Pro Mini PC shown with its power adapter, HDMI cable, VESA mount, and user manual.

## PRODUCT OVERVIEW

The Bmax B6 Pro Mini PC is a compact and powerful computing solution designed for various applications, from home use to office tasks and multimedia consumption. It features a robust processor, ample memory and storage, and versatile connectivity options.

### Key Features

- **Powerful Processor:** Equipped with a 10th Gen Intel Core i5-1030NG7 processor (Max Turbo Frequency 3.5GHz), featuring 4 cores and 8 threads, 4 MB cache, and advanced 10 nm technology.
- **Memory & Storage:** Includes 16GB LPDDR4/2133MHz memory and a 512GB NVMe SSD. Supports dual channel NVMe SSDs and expandable storage up to 2 TB via an included SATA cable for a 2.5" HDD.
- **Rich Connectivity:** Features 3x USB 3.0 ports, 2x HDMI 2.0 ports (4K ultra-high-definition output), 1x earphone/microphone jack, 1x Full function Type-C port (data transfer, charging, video signal output),

1x Ethernet port (1000Mb LAN), 1x DC power input port, and 1x RJ45.

- **UHD 4K @60Hz Three Screen Display:** Integrated Intel Iris Plus Graphics supports 4K video playback and simultaneous output to three screens via 2xHDMI ports and 1x Type-C port.
- **Efficient Cooling & Dual-Band WiFi:** Integrated smart fan and two copper heat pipes for effective heat dissipation. Supports Wi-Fi5 2.4G/5G (802.11a/b/g/n/ac) for stable, high-speed wireless connectivity. Built-in Bluetooth 4.2 for wireless device connections.
- **Compact Design:** Ultra-compact form factor, easy to carry and saves desktop space. Includes a VESA mount for attachment to the back of a monitor.
- **Smart Recovery:** One-key smart recovery function for system restoration. Supports Wake On LAN, PXE Boot, RTC Wake, and Auto Power On.

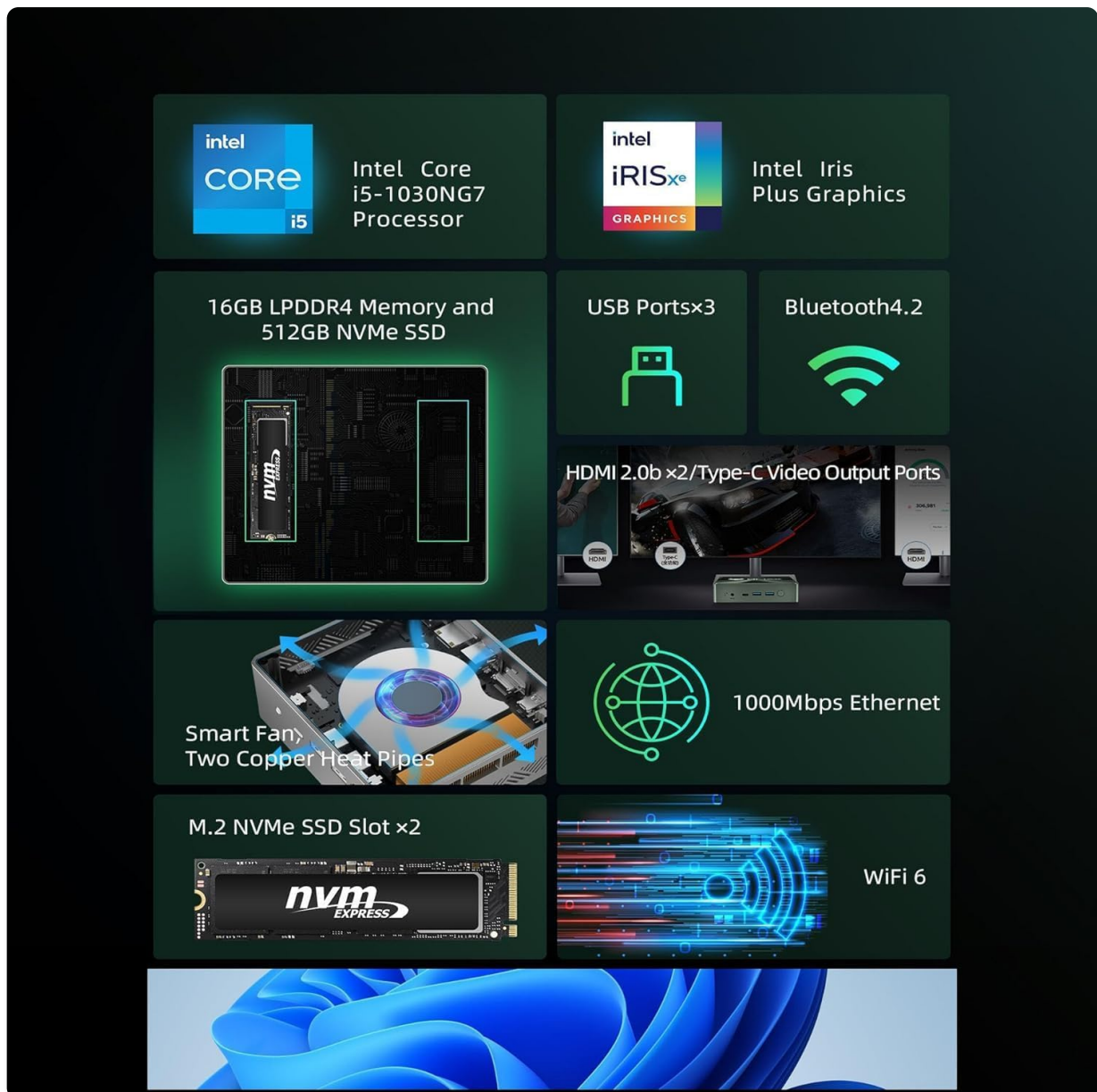


Image: An infographic detailing the core components and features of the Bmax B6 Pro Mini PC, such as the Intel Core i5 processor, 16GB LPDDR4, 512GB NVMe SSD, USB 3.0 ports, HDMI 2.0, Type-C, Bluetooth 4.2, 1000Mbps Ethernet, M.2 NVMe SSD slots, smart fan, copper heat pipes, and WiFi 6 capabilities.

## Rich Interface Configuration

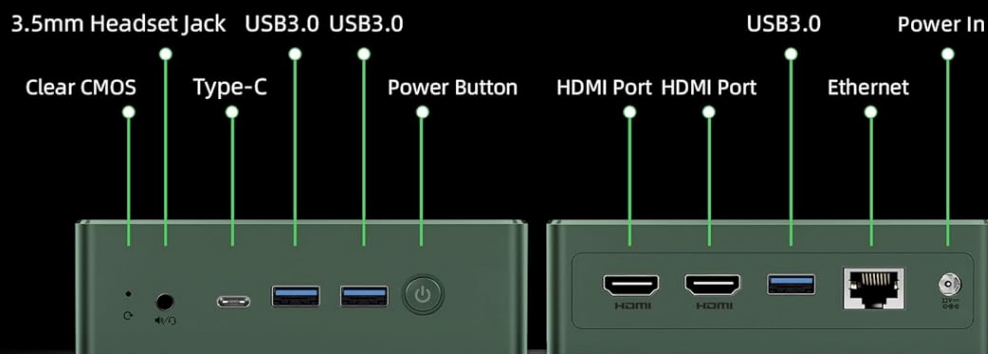
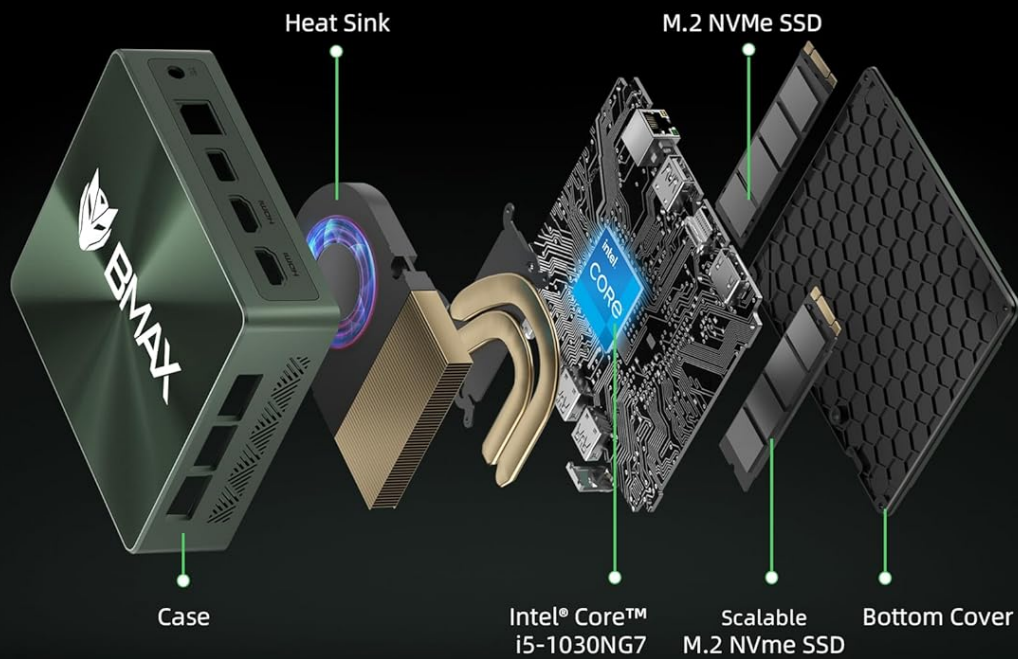


Image: Detailed view of the Bmax B6 Pro Mini PC's front and rear ports, including 3.5mm headset jack, Clear CMOS, Type-C, USB 3.0, Power Button, HDMI ports, and Ethernet port.

## SETUP

1. **Connect to Power:** Connect the US Power Adapter to the DC power input port on the Mini PC, then plug the adapter into a power outlet.
2. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The device supports up to three displays via HDMI 2.0 and Type-C ports.
3. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB 3.0 ports.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, the device will prompt you to connect to a Wi-Fi network during initial setup.



5. **Initial Boot:** For the first boot, ensure the Ethernet cable is unplugged to potentially speed up the initial setup process. Press the power button to turn on the Mini PC.
6. **VESA Mount Installation:** If desired, attach the VESA mount to the back of your monitor using the provided screws, then slide the Mini PC onto the mount. This allows for a cleaner desktop setup.

## Small Size, Simple Connection

This BMAX MaxMini Pc is powerful and does not require complex cabling



## DESIGN

### BMAX: Youthful and Reborn

Technology and fashion shine together, fully pleasing the senses.



Image: The compact size of the Bmax B6 Pro Mini PC is illustrated by placing it next to a standard desktop tower, highlighting its space-saving design.



Image: The Bmax B6 Pro Mini PC is shown mounted on the back of a computer monitor, demonstrating how the VESA mount can create a clean, cable-managed workspace.

## OPERATING INSTRUCTIONS

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1. **Power On/Off:** Press the power button located on the front of the Mini PC to turn it on. To shut down, use the operating system's shutdown option. A short press of the power button can also put the device to sleep.
2. **Operating System:** The Mini PC comes with Windows 11 Pro pre-installed. Follow the on-screen prompts for initial Windows setup.
3. **Storage Expansion:** To expand storage, use the included SATA cable to connect a 2.5" HDD/SSD. The device also has two NVMe M.2 SSD slots for additional NVMe storage.
4. **Multi-Display Setup:** Connect up to three displays using the HDMI 2.0 ports and the full-function Type-C port. Configure display settings within the operating system.

## Intel Iris Plus Graphics

Intel Iris Plus graphics card, with up to 64 execution units and a frequency of up to 1.05GHz, supports three displays via HDMI 2.0b x2/Type-C, and supports 4K/60Hz video signal output.



**1.05GHz**  
Frequency up to

**64**  
Execution Units

**Video Output Ports**  
HDMI 2.0b x2/Type-C

**3**  
Support 3 Monitors

**Support 4K/60Hz**  
Video Signal Output

## GPU Performance Comparison

**4%**  
Performance  
Improvement



Note: The test results are from the laboratory 3DMark Time Spy Score, and the test results are for reference only.

Image: A visual representation of the Bmax B6 Pro Mini PC's capability to support three simultaneous 4K displays, showing different applications open across multiple screens.

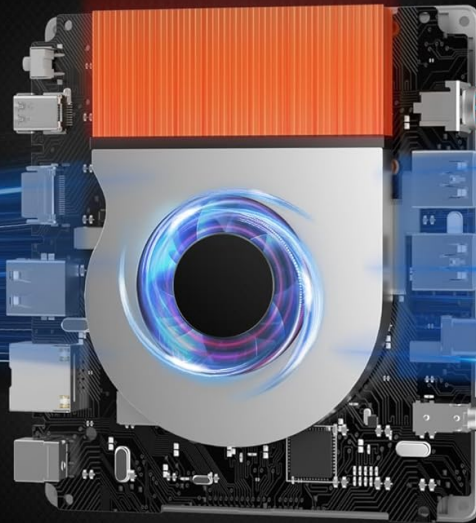
## MAINTENANCE

- **Keep Ventilated:** Ensure the Mini PC has adequate ventilation to prevent overheating. Do not block the air vents. The smart fan and copper heat pipes are designed for efficient cooling.
- **Software Updates:** Regularly update your operating system and drivers to ensure optimal performance and security.
- **Cleanliness:** Keep the device free from dust. Use a soft, dry cloth for cleaning the exterior. Avoid liquid cleaners.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage.

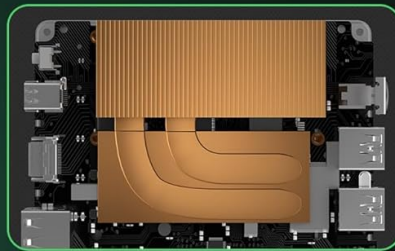
## Dual Mode: Performance or Balance

**Performance Mode:** Unleash your potential with high-speed fans for maximum performance.

**Balanced mode:** When the fan runs at a lower speed, the working noise is smaller, which makes the MaxMini B6 Pro quieter and can be integrated into various environments.



Smart Fan



Two Copper Heat Pipes

Image: An internal view of the Bmax B6 Pro Mini PC's cooling system, highlighting the smart fan and dual copper heat pipes designed for efficient heat dissipation.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No display output	Loose cable, incorrect input on monitor, power issue.	Check HDMI/Type-C cable connections. Ensure monitor is on correct input. Verify power adapter is securely connected.
System slow or unresponsive	Too many applications running, insufficient storage, overheating.	Close unnecessary applications. Check available storage space. Ensure proper ventilation. Restart the PC.
Wi-Fi connectivity issues	Out of range, incorrect password, driver issue.	Move closer to the Wi-Fi router. Re-enter Wi-Fi password. Update Wi-Fi drivers. Restart router and PC.



Problem	Possible Cause	Solution
System crash/failure to boot	Software conflict, corrupted system files.	Utilize the one-key smart recovery function to restore the system. If issues persist, contact support.

## SPECIFICATIONS

Feature	Detail
Processor	Intel Core i5-1030NG7 (10th Gen), 4 Cores, 8 Threads, Max Turbo Frequency 3.5 GHz
RAM	16 GB LPDDR4 (2133 MHz)
Storage	512 GB NVMe SSD (2x M.2 NVMe SSD slots), Expandable up to 2 TB via 2.5" HDD/SSD
Graphics	Intel Iris Plus Graphics, Supports 4K/60Hz
Video Output	2x HDMI 2.0, 1x Full function Type-C (supports video signal output)
USB Ports	3x USB 3.0
Network	1x Ethernet (1000Mb LAN), Wi-Fi5 2.4G/5G (802.11a/b/g/n/ac)
Bluetooth	Bluetooth 4.2
Audio	1x Earphone/Microphone Jack
Operating System	Windows 11 Pro
Dimensions	Approximately 4.9 x 4.4 x 1.4 inches (based on image)
Weight	Approximately 1.37 pounds
Color	Black

## WARRANTY AND SUPPORT

BMAX Mini PCs come with a 30-day no-reason return policy and a 12-month warranty. For any problems or inquiries, please contact Bmax customer support via email. Refer to the contact information provided in your product packaging or on the official Bmax website.

For additional resources and FAQs, you may visit the [Bmax Store on Amazon](#).

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