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> Bmax B6 Plus Mini PC User Manual

Bmax B6 Plus

Bmax B6 Plus Mini PC User Manual

Model: B6 Plus

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Bmax B6 Plus Mini PC. The Bmax B6 Plus is a compact desktop computer designed for various tasks, including office work, streaming, web browsing, and home entertainment. It features an Intel Core i3-1000NG4 processor, 12GB LPDDR4 RAM, and a 512GB NVMe SSD for efficient performance.

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- 1 x B6 Plus MINI PC
- 1 x Power Adapter
- 1 x User Guide
- 1 x HDMI cable
- 1 x Metal Bracket

3. PRODUCT OVERVIEW

The Bmax B6 Plus Mini PC is designed with a variety of ports for connectivity and features an efficient internal layout.



Image 3.1: Front and side view of the Bmax B6 Plus Mini PC, showcasing its compact design and primary ports.

3.1 External Ports and Connectors

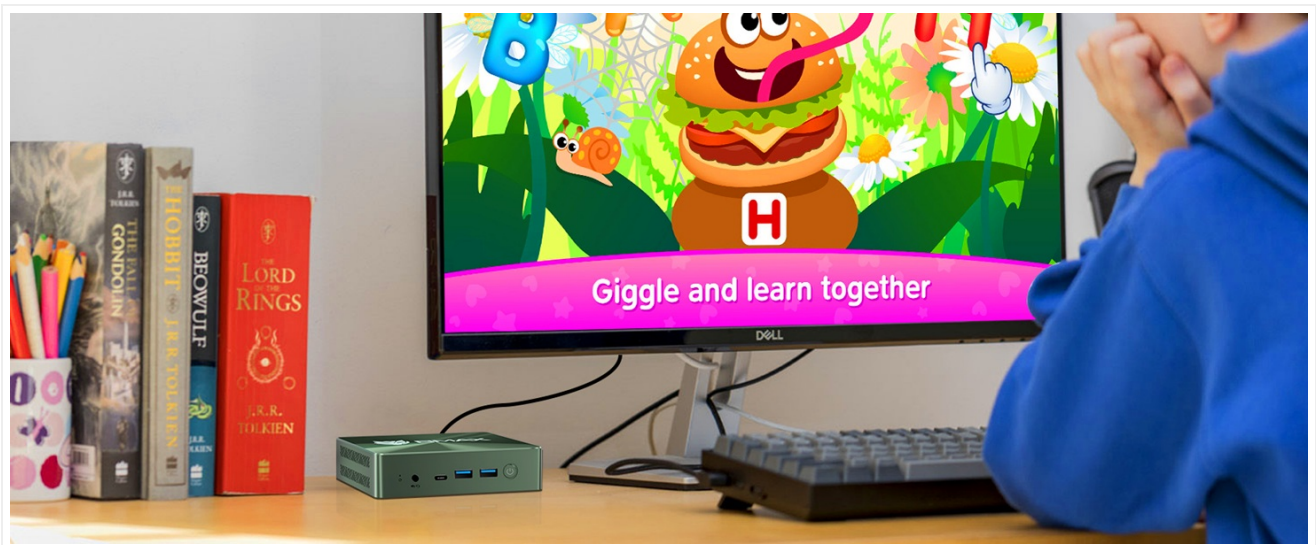


Image 3.2: Detailed view of the front and rear ports of the Bmax B6 Plus Mini PC, with labels for each connection point.

- **Front Panel:** Clear CMOS button, Type-C port, 2x USB 3.0 ports, Power Button, 3.5mm Stereo Headset Jack.
- **Rear Panel:** 2x HDMI 2.0 ports, 1x USB 3.0 port, Gigabit Ethernet port, DC Jack for power input.

3.2 Internal Components

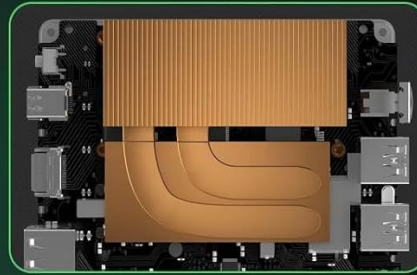
Dual Mode: Performance or Balance

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 Plus quieter and can be integrated into various environments.



Smart Fan



Two Copper Heat Pipes

Image 3.3: Exploded diagram illustrating the internal components of the Bmax B6 Plus, including the case, heat sink, Intel Core i3-1000NG4 processor, M.2 NVMe SSD, and bottom cover.

- **Processor:** Intel Core i3-1000NG4
- **Memory:** 12GB LPDDR4 RAM
- **Storage:** 512GB NVMe SSD with an additional M.2 NVMe SSD expansion slot.
- **Cooling System:** Smart fan and dual copper heat pipes for efficient heat dissipation.

Intel Iris Plus Graphics

Intel Iris Plus graphics card, with up to 46 execution units and a frequency of up to 900MHz, supports three displays via HDMI 2.0x2/Type-C, and supports 4K/60Hz video signal output.



900MHz
Frequency up to

46
Execution Units

Video Output Ports
HDMI 2.0x2/Type-C

3
Support 3 Monitors

Support
4K/60Hz
Video Signal Output

GPU Performance Comparison

↑ 205%

i3-1000NG4 Compared to N5105 Performance Improvement



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

Image 3.4: Diagram showing the 12GB LPDDR4 memory and 512GB NVMe SSD, highlighting the available slot for an expanded NVMe SSD.

4. SETUP

Follow these steps to set up your Bmax B6 Plus Mini PC:

- 1. Connect Power:** Plug the power adapter into the DC Jack on the rear panel of the Mini PC, then connect it to a power outlet.
- 2. Connect Display(s):** Connect your monitor(s) to the Mini PC using the HDMI 2.0 ports or the Type-C port. The device supports up to three 4K displays simultaneously.
- 3. Connect Peripherals:** Connect your USB keyboard, mouse, and any other desired peripherals to the available USB 3.0 ports.
- 4. Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable to the Gigabit Ethernet port. For wireless, ensure your WiFi network is available.
- 5. Power On:** Press the power button located on the front panel to turn on the Mini PC.

5. OPERATING INSTRUCTIONS

5.1 Initial Boot and Operating System

Upon first power-on, the Mini PC will boot into its pre-installed operating system. Follow the on-screen instructions to complete the initial setup, including language, region, and user account creation.

5.2 Dual Mode Operation

The Bmax B6 Plus features an innovative dual mode for optimized performance and acoustics:

- **Performance Mode:** Achieves maximum performance with higher fan speeds for demanding tasks.
- **Balance Mode:** Operates quieter with lower fan speeds, suitable for general use and environments where noise reduction is preferred.

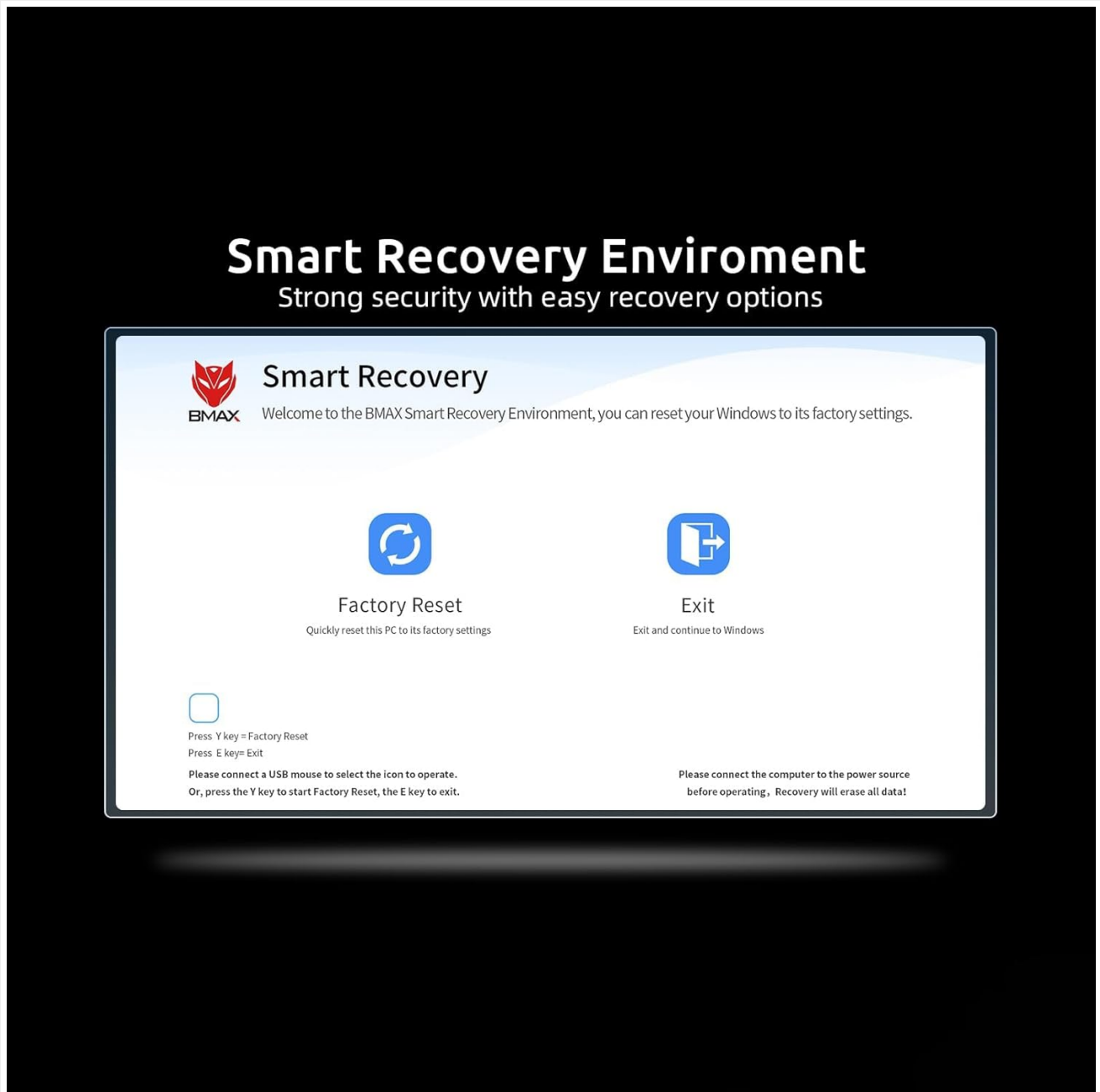


Image 5.1: Illustration of the smart fan and dual copper heat pipes, which contribute to the Mini PC's efficient cooling and dual-mode operation.

5.3 Triple Display Output

The Mini PC supports connecting up to three 4K displays simultaneously via its HDMI and Type-C ports. This allows for an extended desktop environment, enhancing productivity or entertainment experiences.

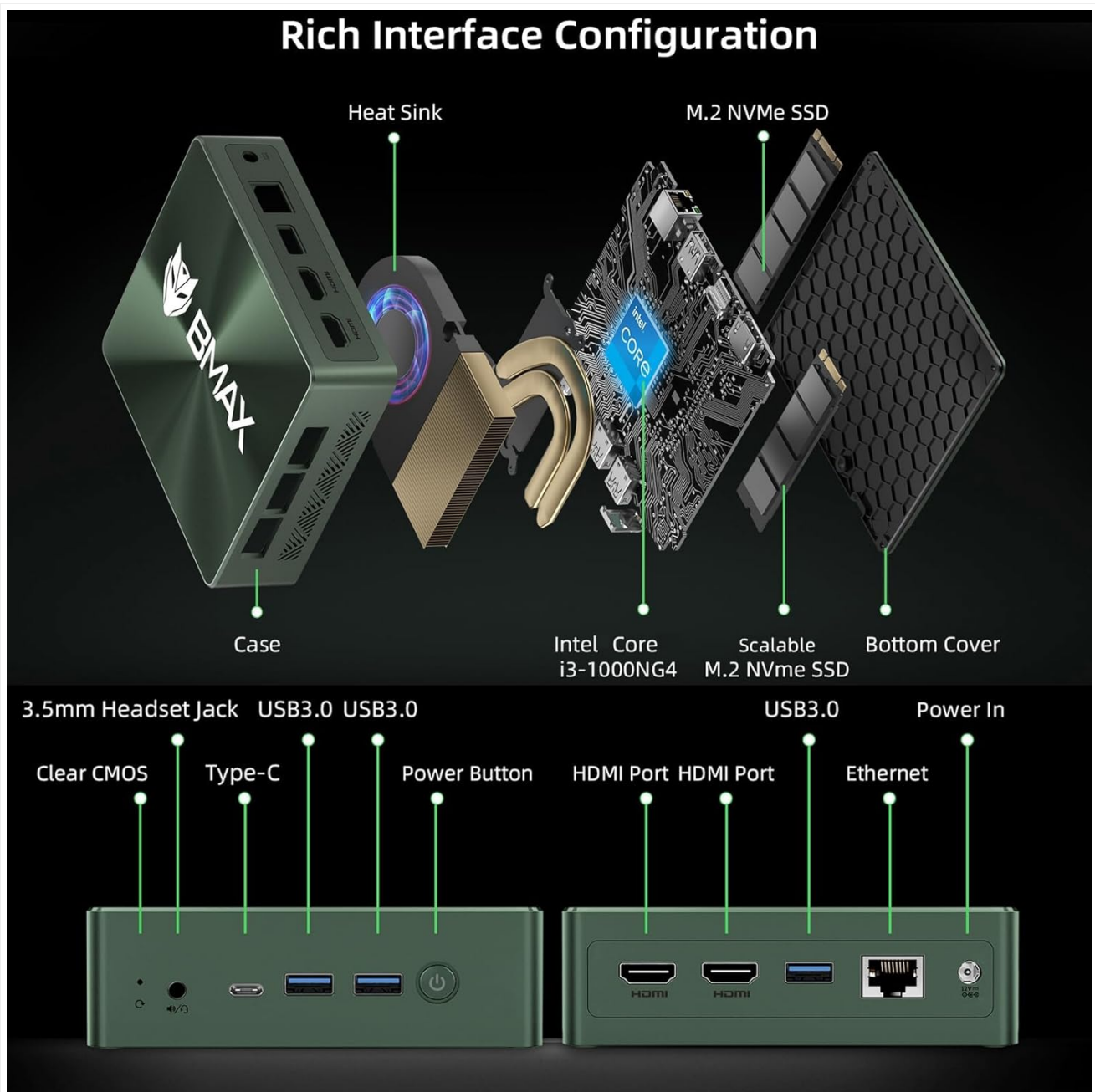


Image 5.2: A visual representation of the Bmax B6 Plus Mini PC connected to three external displays, demonstrating its triple-display capability.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Bmax B6 Plus Mini PC, consider the following maintenance tips:

- **Keep Vents Clear:** Ensure that the ventilation openings on the Mini PC are not obstructed to allow for proper airflow and heat dissipation.
- **Software Updates:** Regularly update your operating system and drivers to benefit from performance improvements and security patches.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the Mini PC. Avoid using liquid cleaners directly on the device.
- **Smart Recovery Environment:** The Mini PC includes a Smart Recovery Environment for system restoration. This feature can help resolve OS issues or restore factory settings.

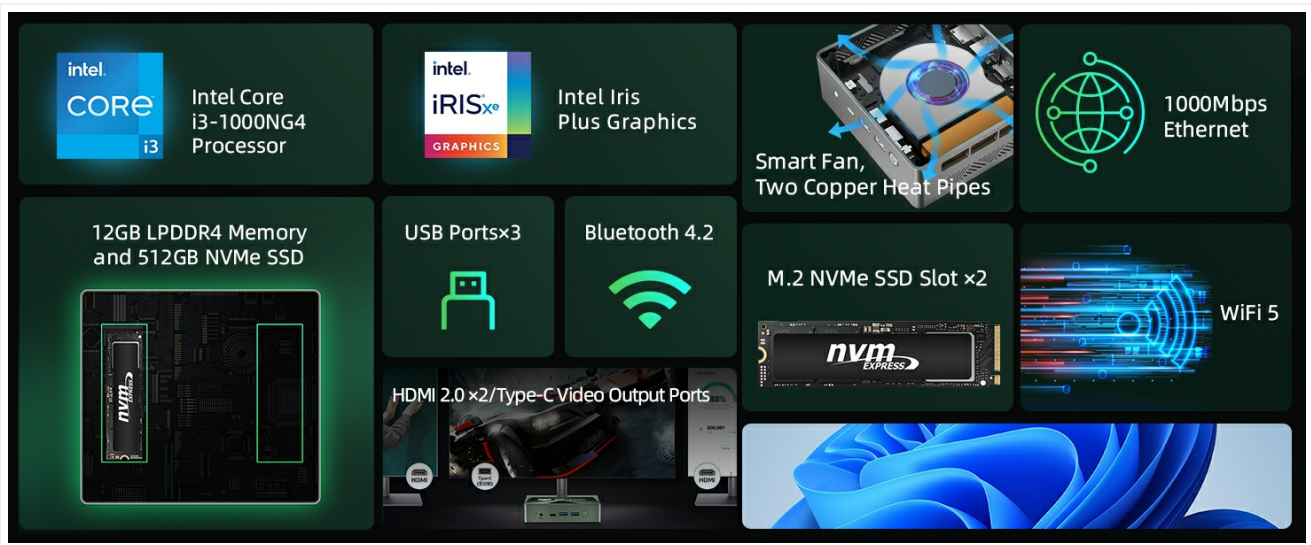


Image 6.1: Screenshot of the Bmax Smart Recovery Environment, showing options for Factory Reset and Exit to Windows, designed for easy system recovery.

7. TROUBLESHOOTING

If you encounter issues with your Bmax B6 Plus Mini PC, refer to the following common problems and solutions:

- **No Power:**
 - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
 - Verify the power outlet is functional.
- **No Display:**
 - Check 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.
 - Try connecting to a different display or using a different cable.
- **Slow Performance:**
 - Close unnecessary applications running in the background.
 - Ensure the Mini PC is in Performance Mode if high performance is required.
 - Check for available operating system updates.
 - Clear temporary files and optimize disk usage.
- **Operating System Issues:**
 - Utilize the built-in Smart Recovery Environment to perform a factory reset or system repair if the OS becomes unstable or unresponsive. Refer to Section 6 for more details.

8. SPECIFICATIONS

Detailed technical specifications for the Bmax B6 Plus Mini PC:



Image 8.1: Diagram illustrating the compact dimensions (4.9 x 4.4 x 1.37 inches) and weight (300g) of the Bmax B6 Plus Mini PC.

Feature	Detail
Brand	Bmax
Model	B6 Plus

Processor	Intel Core i3-1000NG4 (up to 3.2 GHz)
RAM	12GB LPDDR4
Storage	512GB NVMe SSD (expandable via M.2 slot)
Graphics	Intel Iris Xe Graphics (Integrated)
Video Output	2x HDMI 2.0, 1x Type-C (supports 4K@60Hz triple display)
Wireless Connectivity	WiFi 5 (802.11 a/b/g/n/ac), Bluetooth 4.2
Wired Connectivity	Gigabit Ethernet
USB Ports	3x USB 3.0
Audio	3.5mm Stereo Headset Jack
Dimensions (LxWxH)	4.9 x 4.4 x 1.37 inches
Item Weight	10.6 ounces
Operating System	OS (Pre-installed)

9. WARRANTY AND SUPPORT

Bmax is committed to providing excellent customer service and support for your Mini PC.

- **Warranty:** The Bmax B6 Plus Mini PC comes with a 12-month warranty from the date of purchase.
- **Returns:** You are eligible for a return within 30 days of purchase.
- **Customer Service:** Bmax provides 7x24 hours of one-to-one customer service for any inquiries or assistance you may need.
- **Technical Support:** Lifetime technical support is available to assist with any operational or technical issues.

For support, please refer to the contact information provided with your product packaging or visit the official Bmax website.