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Bmax B6 Pro (i5-1030NG7 16GB+512GB)

Bmax B6 Pro Mini PC User Manual

Model: B6 Pro

Introduction

The Bmax B6 Pro Mini PC is a compact and powerful desktop computer designed for various applications, from office work and web browsing to 4K video streaming and light gaming. Featuring an Intel Core i5-1030NG7 processor, 16GB LPDDR4 RAM, and a 512GB NVMe SSD, it offers efficient performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Bmax B6 Pro Mini PC.



Image: The Bmax B6 Pro Mini PC, showcasing its compact design and sleek finish.

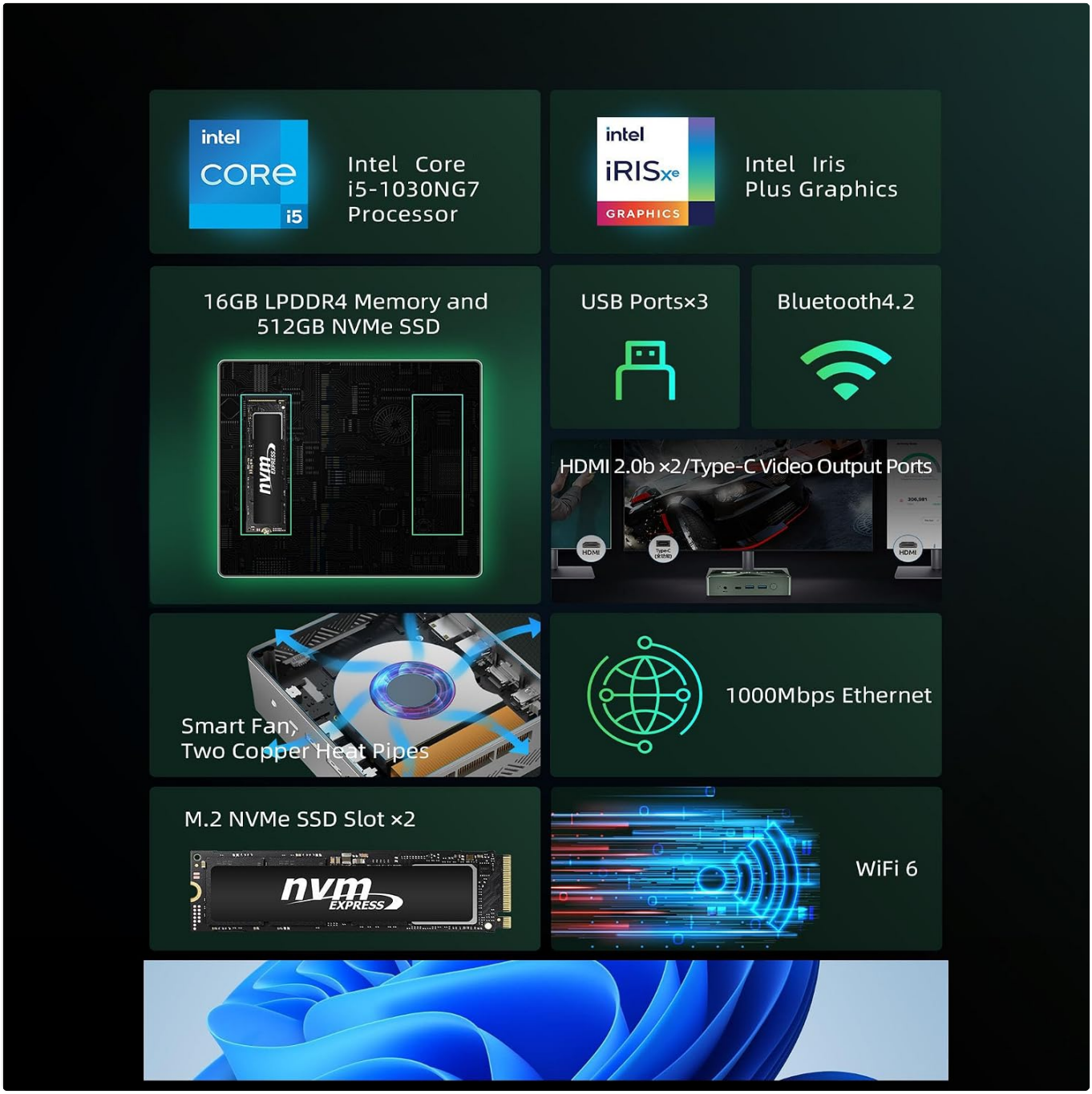

Image: Diagram highlighting key features including Intel Core i5 processor, 16GB LPDDR4 RAM, 512GB NVMe SSD, USB ports, Bluetooth, HDMI, Type-C, Smart Fan, and WiFi.

Product Overview Video

▶ **Watch video online**

Introduce of B6

Video: An introductory overview of the Bmax B6 Pro Mini PC, showcasing its design and core functionalities.

Setup

1. Unpacking and Initial Inspection

Carefully remove the Mini PC and all accessories from the packaging. Verify that all components listed in the "What's in the Box" section are present and undamaged. If any items are missing or damaged, contact customer support immediately.

2. Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the appropriate ports on the Mini PC. The B6 Pro supports triple-display output via HDMI and Type-C ports.

- **Monitors:** Use HDMI cables to connect up to two monitors to the HDMI ports. For a third display, use a compatible Type-C to display adapter (not included).
- **Keyboard and Mouse:** Connect your USB keyboard and mouse to the USB 3.0 ports. Wireless peripherals can be connected via Bluetooth 4.2 or a USB dongle.
- **Audio:** Connect headphones or speakers to the 3.5mm Stereo Headset Jack.
- **Network:** For a wired connection, connect an Ethernet cable to the Gigabit Ethernet port. For wireless, the device supports WiFi5.

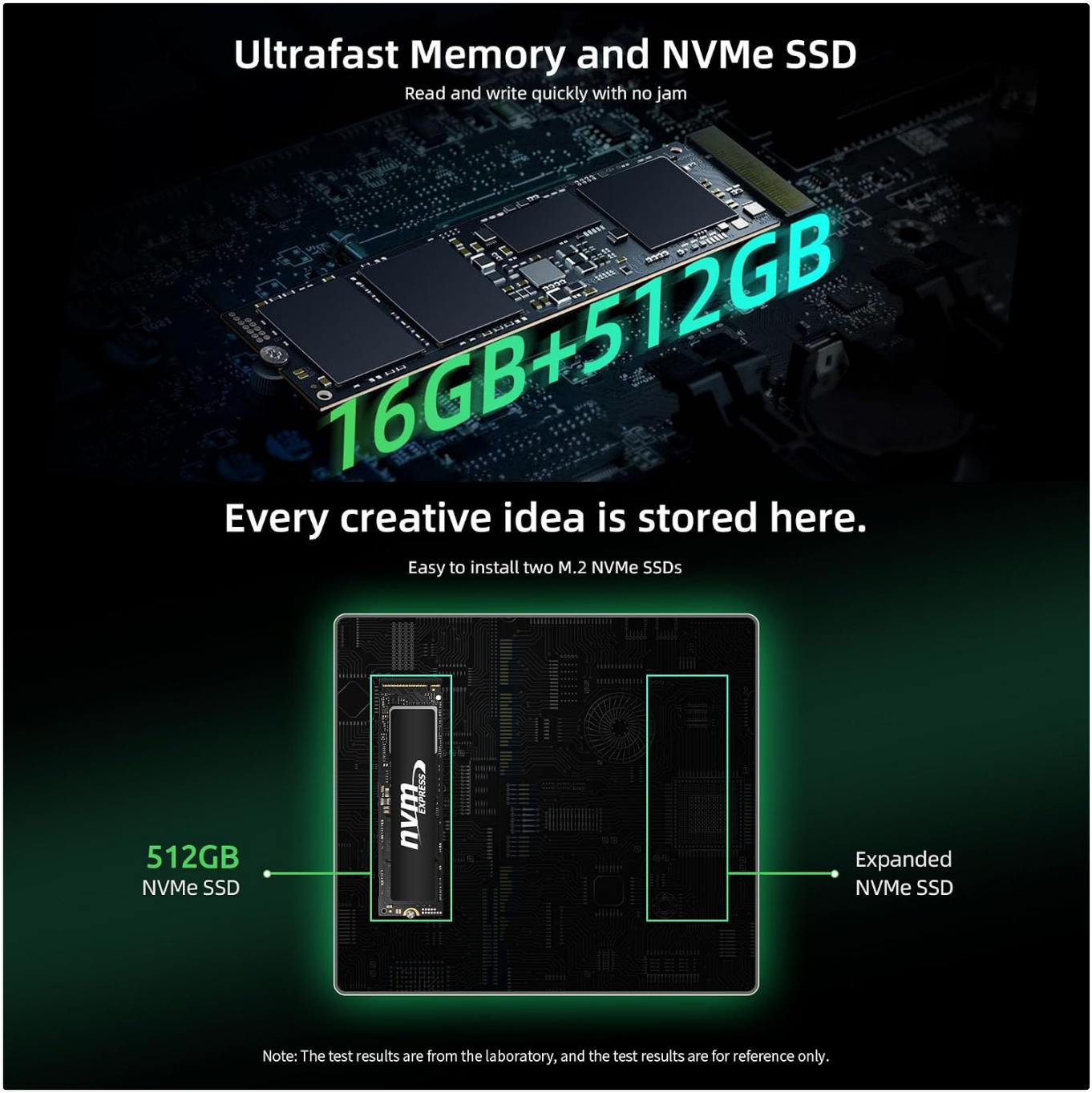

Image: Detailed view of the Bmax B6 Pro Mini PC's rich interface configuration, including USB 3.0, Type-C, HDMI, Ethernet, and audio ports.

3. Powering On

Connect the power adapter to the DC Jack on the Mini PC and then plug it into a power outlet. Press the power button

on the front of the device to turn it on. The system will boot up and guide you through the initial Windows setup process.

Operating Instructions

Triple-Display Output

The Bmax B6 Pro supports connecting up to three 4K displays simultaneously, enhancing productivity and entertainment. Connect your displays to the available HDMI 2.0b ports and the Type-C port. Once connected, Windows will automatically detect the displays. You can configure display settings (e.g., extend, duplicate) through the Windows Display Settings.

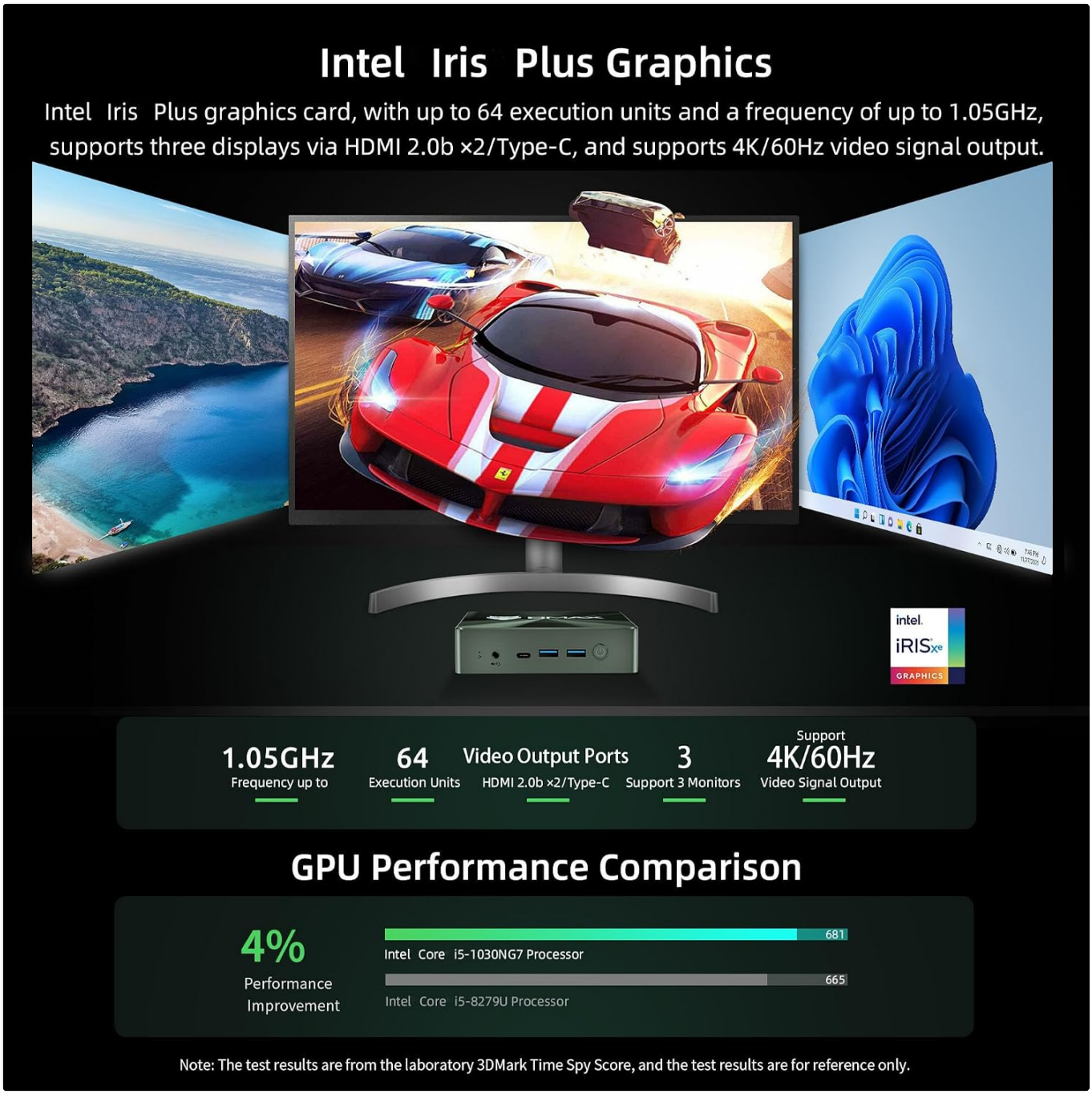

Image: The Bmax B6 Pro Mini PC demonstrating its capability to connect to and power three external monitors for an expanded workspace.

Dual Mode Operation

The Mini PC features an innovative dual mode for optimized performance and acoustics:

- **Performance Mode:** Activates high-speed fans to maximize CPU performance, ideal for demanding tasks.
- **Balance Mode:** Reduces fan speed for quieter operation, suitable for environments where noise reduction is preferred.

Switching between modes is typically managed through system settings or a dedicated utility provided by Bmax. Refer to the pre-installed software for specific instructions.

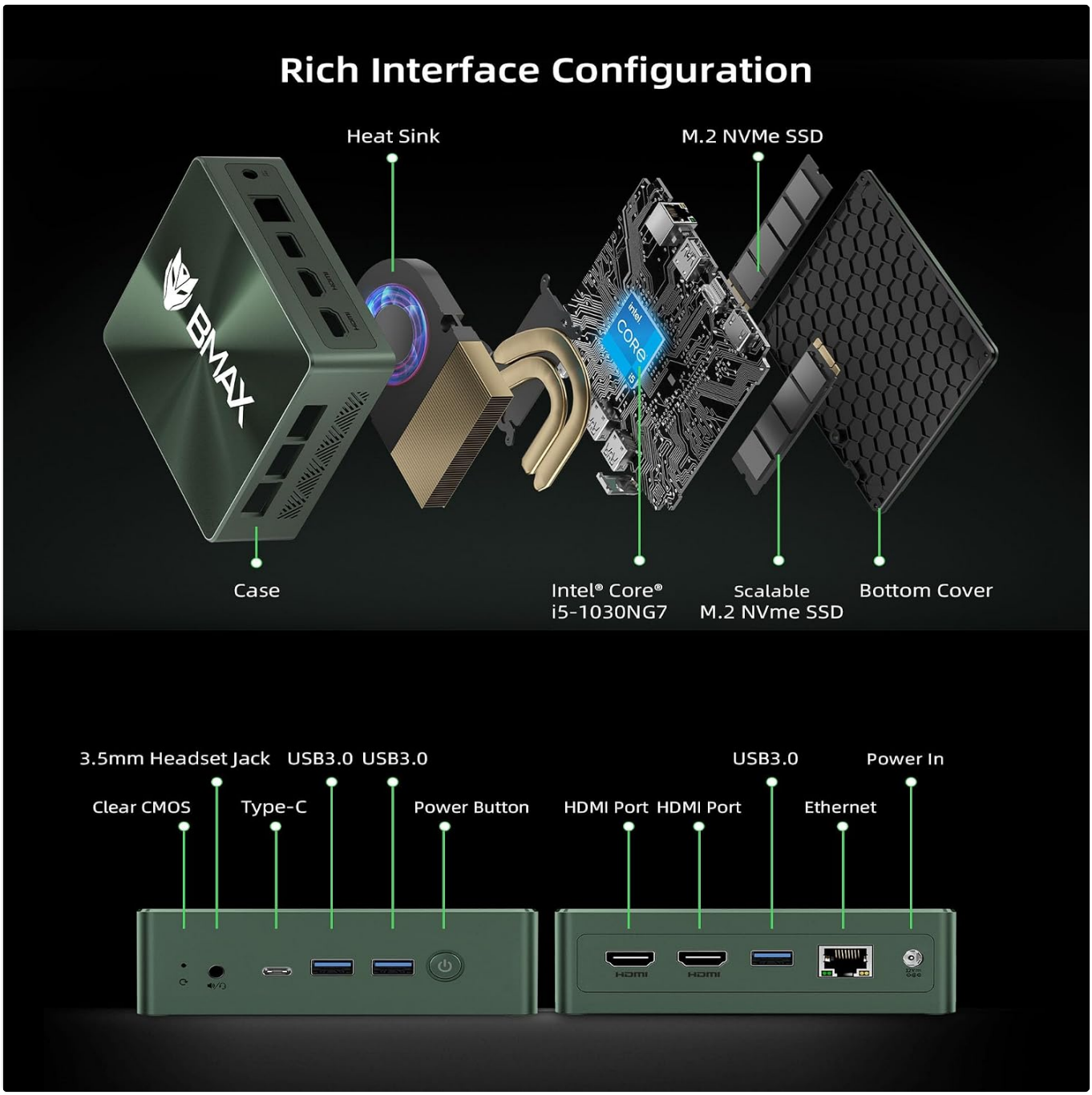

Image: Internal view of the Bmax B6 Pro Mini PC, showing the smart fan and two copper heat pipes designed for efficient cooling in both performance and balance modes.

Smart Recovery Environment

The Bmax B6 Pro includes a Smart Recovery Environment to help restore your system to factory settings or troubleshoot issues. This feature is useful in cases of operating system crashes, slow response, or incorrect operations during OS upgrades.

To access the Smart Recovery Environment, typically you would press a specific key (e.g., F7 or F8) during startup, or follow instructions provided in the system's pre-installed recovery utility. Ensure the computer is connected to a power source before initiating any recovery process, as all data will be erased during a factory reset.

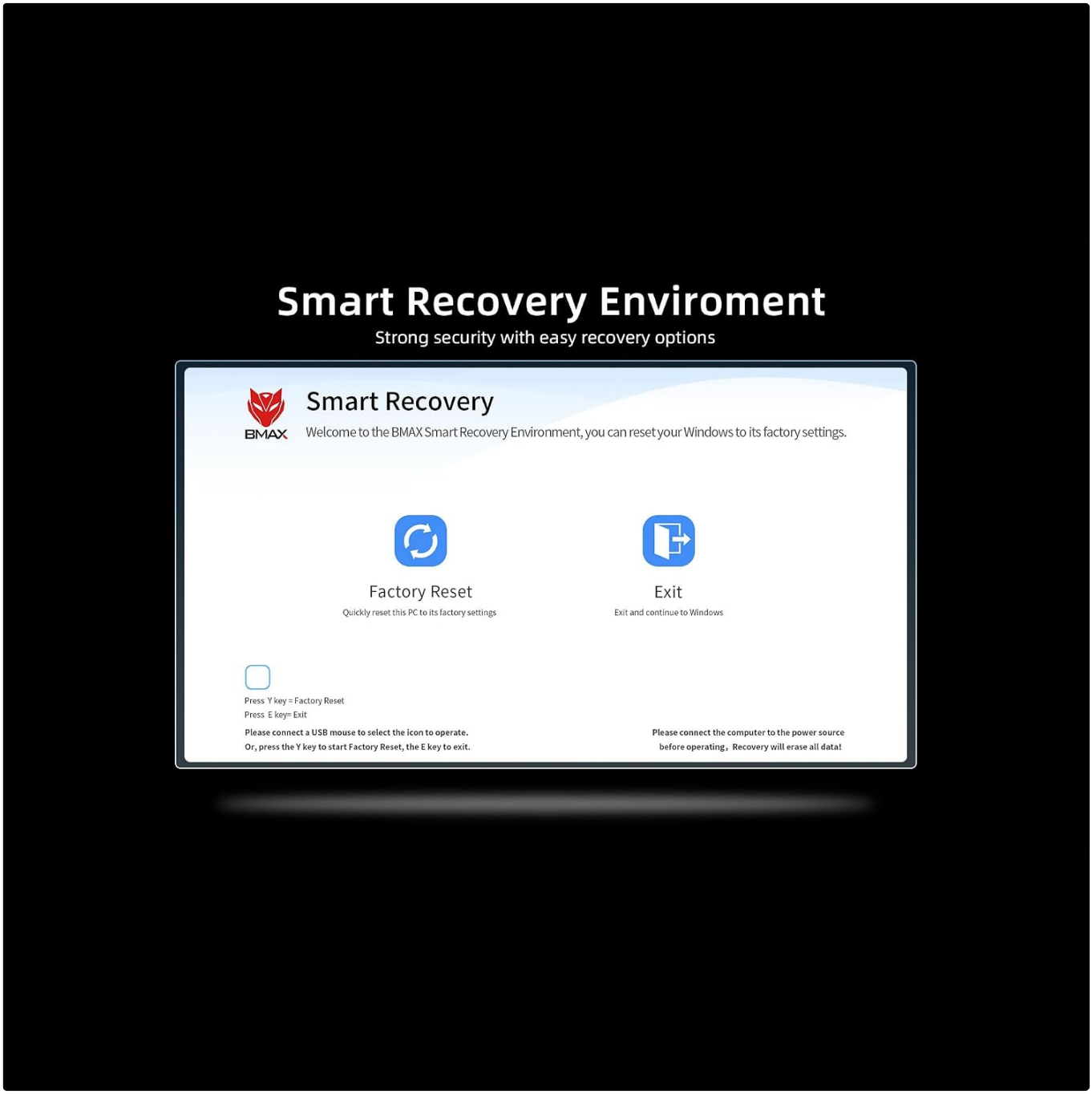

Image: Screenshot of the Bmax Smart Recovery Environment, offering options for Factory Reset and Exit.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your Bmax B6 Pro Mini PC.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. For dust accumulation in vents, use compressed air. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Regularly check for and install operating system updates, driver updates, and firmware updates. These updates often include performance improvements, security patches, and bug fixes.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage to prevent data loss.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area to prevent overheating. Avoid blocking the air vents.

Troubleshooting

If you encounter issues with your Bmax B6 Pro Mini PC, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power/Does not turn on	Power adapter not connected properly; Power outlet 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	Monitor not connected; Incorrect input source; Display driver issue.	Check monitor cable connections. Ensure monitor input source is set correctly (e.g., HDMI1, HDMI2). Restart the Mini PC.
Slow performance	Too many applications running; Insufficient disk space; Outdated drivers.	Close unnecessary applications. Free up disk space. Update drivers and operating system. Consider switching to Performance Mode if applicable.
System crashes/freezes	Software conflict; Overheating; Corrupted system files.	Ensure proper ventilation. Run system diagnostics. If issues persist, consider using the Smart Recovery Environment to reset the system.

For more complex issues, refer to the official Bmax support website or contact customer service.

Specifications

Feature	Detail
Processor	Intel Core i5-1030NG7 (up to 3.5GHz)
RAM	16GB LPDDR4
Storage	512GB NVMe SSD
Graphics Coprocessor	Intel Iris Xe Graphics
Max Screen Resolution	3840x2160 (4K)
Video Output	HDMI 2.0b x2, Type-C
Wireless Connectivity	WiFi5, Bluetooth 4.2
Ethernet	Gigabit Ethernet
USB Ports	3x USB 3.0
Audio Jack	1x 3.5-mm Stereo Headset Jack
Operating System	OS (Pre-installed)
Item Weight	1.61 pounds
Dimensions	11.02 x 6.18 x 2.99 inches

Warranty and Support

Bmax provides comprehensive support for your Mini PC:

- **Return Policy:** Return within 30 days of purchase.
- **Customer Service:** 7x24 hours one-to-one customer service.
- **Warranty:** 12 months warranty from the date of purchase.

For detailed warranty terms, technical assistance, or to contact customer support, please visit the official Bmax website or refer to the contact information provided with your product packaging. You can also visit the Bmax Store on Amazon for more information.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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