Bmax B4 Plus

Bmax B4 Plus Mini PC User Manual

Model: B4 Plus

INTRODUCTION

This user manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Bmax B4 Plus Mini PC. The B4 Plus is a compact and powerful desktop computer designed for various applications, from daily computing to demanding office tasks and 4K media consumption. It features the Intel Alder Lake-N100 processor, 16GB of RAM, and a 512GB SSD, offering efficient performance and versatile connectivity.

Figure 1: Bmax B4 Plus Mini PC, showcasing its compact design and front ports.

WHAT'S IN THE BOX

Upon unboxing your Bmax B4 Plus Mini PC, please ensure all the following items are present:

- 1 x Mini PC B4 Plus 16GB+512GB
- 1 x HDMI Cable
- 1 x US Power Adapter
- 1 x User Manual (this document)
- 1 x VESA Mount with Screws

PRODUCT OVERVIEW

Key Features

- **Processor:** Intel 12th Gen Alder Lake-N100 (4 cores, 4 threads, up to 3.4GHz)
- **Memory:** 16GB DDR4 SO-DIMM RAM
- **Storage:** 512GB M.2 SATA SSD (expandable up to 2TB SSD or 2TB M.2_SATA_2280)
- **Graphics:** Intel UHD Graphics (max 750MHz), supports 4K video playback

- **Display Output:** Triple screen simultaneous output (2x HDMI 2.0, 1x Type-C)

- **Connectivity:** 2.4+5G Wi-Fi, 1000M LAN, Bluetooth 4.2

- **Operating System:** Pre-installed Windows 11, supports Linux (Ubuntu) installation

- **Special Features:** Wake On LAN, PXE Boot, RTC Wake, Auto Power On, One-key Smart Recovery

Ports and Connectors

The Bmax B4 Plus Mini PC offers a variety of ports for connecting peripherals and displays.
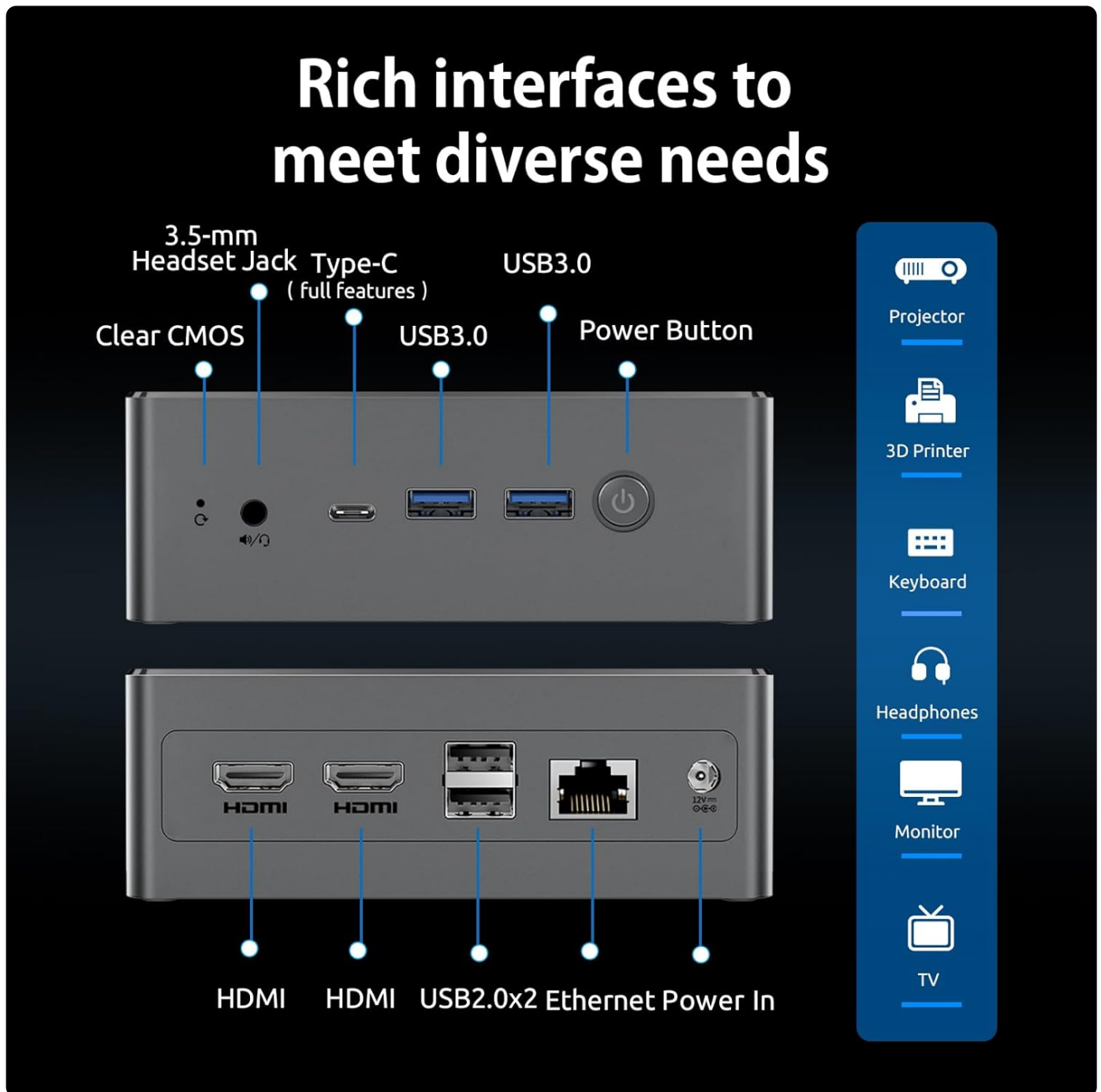

Figure 2: Detailed view of the front and rear ports on the Bmax B4 Plus Mini PC.

- **Front Panel:**

  - 1 x 3.5mm Headset Jack

  - 1 x Type-C Port (full features)

  - 2 x USB 3.0 Ports

  - 1 x Power Button

- 1 x Clear CMOS button (small pinhole)

- **Rear Panel:**

  - 2 x HDMI 2.0 Ports (4K Ultra HD output)
  - 2 x USB 2.0 Ports
  - 1 x Ethernet (RJ45) Port (supports 1000Mb LAN)
  - 1 x DC Power Input Port

Internal Components

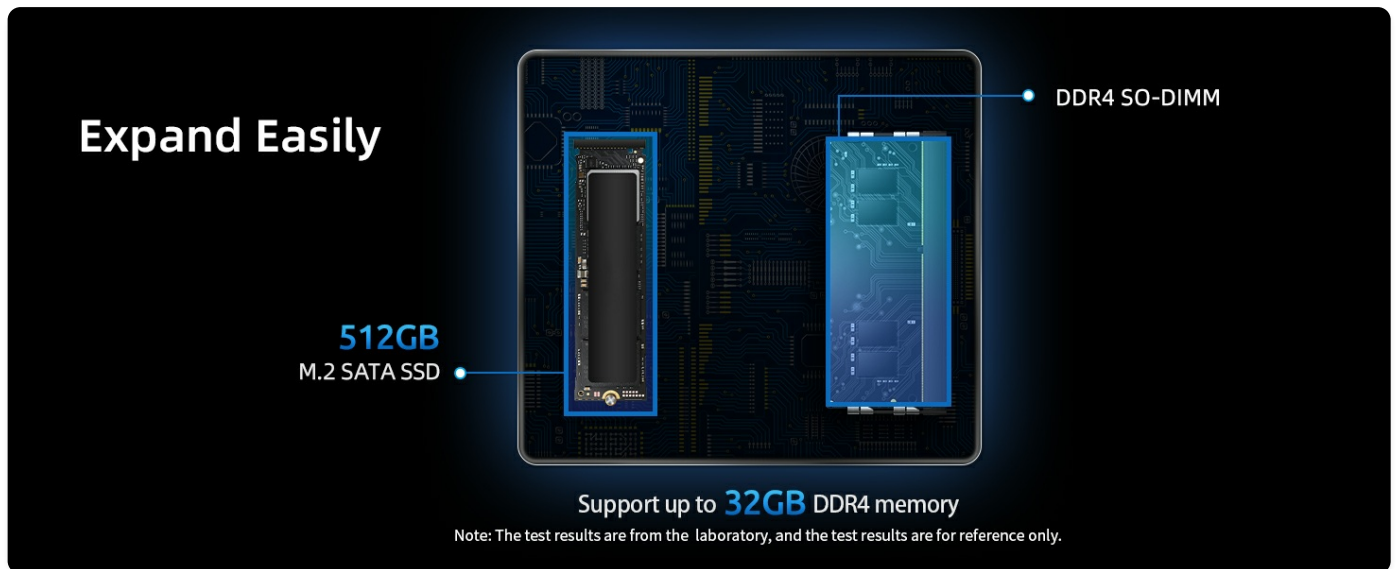The B4 Plus is engineered with efficient components for optimal performance.

Figure 3: Internal layout highlighting the DDR4 SO-DIMM and M.2 SATA SSD slots for easy expansion.

The device includes a 16GB DDR4 SO-DIMM and a 512GB M.2 SATA SSD. The storage can be expanded by replacing the existing SSD with a larger one (up to 2TB) or by adding a 2TB M.2_SATA_2280 drive (not included).

Setup Guide

Follow these steps to set up your Bmax B4 Plus Mini PC:

1. **Connect to Display:** Connect your monitor(s) to the Mini PC using the HDMI ports or the Type-C port. The B4 Plus supports up to three displays simultaneously for enhanced productivity.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 3.0 or USB 2.0 ports.
3. **Connect to Network:** For a wired connection, connect an Ethernet cable from your router or modem to the RJ45 port. For wireless connectivity, the Mini PC supports 2.4G and 5G Wi-Fi.
4. **Connect Power:** Plug the US Power Adapter into the DC Power Input port on the Mini PC, then plug the adapter into a power outlet.
5. **Power On:** Press the Power Button on the front panel of the Mini PC. The system will boot up.
6. **Initial Setup:** Follow the on-screen instructions to complete the initial Windows 11 setup, including language, region, and network settings.

Your browser does not support the video tag.

Video 1: An overview of the Bmax B4 Plus Mini PC, demonstrating its compact size and various ports for connectivity. This video highlights the physical aspects and initial setup connections.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press the power button to turn the Mini PC on. To turn off, use the standard Windows shutdown procedure (Start Menu > Power > Shut down) or press and hold the power button for a few seconds.
- **Restart:** To restart the Mini PC, use the standard Windows restart procedure (Start Menu > Power > Restart).
- **Sleep Mode:** To put the Mini PC into sleep mode, use the standard Windows sleep procedure (Start Menu > Power > Sleep).
- **Connecting to Wi-Fi:** In Windows, click the network icon in the taskbar, select your Wi-Fi network, enter the password, and connect.
- **Connecting Bluetooth Devices:** Go to Windows Settings > Bluetooth & devices, turn on Bluetooth, and pair your devices (e.g., mouse, keyboard, headphones).

Advanced Features

- **Dual System Support:** The B4 Plus comes with Windows 11 pre-installed. It also supports the installation of Linux (Ubuntu). For Ubuntu installation instructions, please contact Bmax customer support.
- **VESA Mount Installation:** The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or HDTV, saving desk space and creating a cleaner setup.
- **Wake On LAN (WOL):** This feature allows you to power on the Mini PC remotely over a network. Ensure WOL is enabled in the BIOS settings and your network adapter properties.
- **PXE Boot:** Preboot Execution Environment (PXE) allows the Mini PC to boot from a network server. This is useful for deploying operating systems or running diagnostics.
- **RTC Wake:** Real-Time Clock (RTC) Wake allows you to schedule the Mini PC to power on at a specific time. This setting is typically configured in the BIOS.
- **Auto Power On:** This feature automatically powers on the Mini PC when power is restored after an outage. This is also configured in the BIOS.

Your browser does not support the video tag.

Video 2: A promotional video showcasing the Bmax B4 Plus Mini PC's features and various application scenarios, including home use, office work, and gaming.

SPECIFICATIONS

Detailed technical specifications for the Bmax B4 Plus Mini PC:

Feature	Specification
Brand	Bmax
Series	B4 Plus
Processor	Intel Alder Lake-N100 (3.4 GHz Celeron)
RAM	16 GB SO-DIMM DDR4
Hard Drive	512 GB SSD (M.2 SATA)

Feature	Specification
Graphics Coprocessor	Intel UHD Graphics (Dedicated)
Max Screen Resolution	3840 x 2160 pixels (4K)
Operating System	OS (Windows 11 pre-installed)
Hardware Platform	PC
Connectivity	2.4+5G Wi-Fi, Bluetooth 4.2, 1000Mb LAN
Ports	2x USB 3.0, 2x USB 2.0, 2x HDMI 2.0, 1x Type-C, 1x Ethernet, 1x 3.5mm Headset Jack, 1x DC Power Input
Item Weight	1.52 pounds
Package Dimensions	11.14 x 6.22 x 2.91 inches
Color	Black

MAINTENANCE

To ensure the longevity and optimal performance of your Bmax B4 Plus Mini PC, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from the ventilation grilles to prevent overheating. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Keep your operating system (Windows 11) and drivers updated to the latest versions. This ensures security, stability, and performance improvements.
- **Storage Management:** Periodically check your storage usage and delete unnecessary files or programs to free up space. Consider external storage for large files if needed.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, humidity, or dust.
- **Power Supply:** Use only the original power adapter provided with the Mini PC.

TROUBLESHOOTING

If you encounter issues with your Bmax B4 Plus Mini PC, refer to the following common troubleshooting steps:

- **No Power:**

  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Try a different power outlet.

- **No Display:**

  - Verify that the HDMI or Type-C cable is securely connected to both the Mini PC and the monitor.
  - Ensure the monitor is powered on and set to the correct input source.
  - Try a different display cable or monitor if available.

- **System Slowdown or Freezing:**

  - Close unnecessary applications running in the background.
  - Check for and install any pending Windows updates.
  - Ensure there is sufficient free space on the SSD.
  - Restart the Mini PC.

- **One-Key Smart Recovery:**

  In case of system malfunction or crash, the B4 Plus features a "One-key Smart Recovery" option. This function allows for a complete system reset or restore, replacing the current configuration with a new one, which can resolve issues that software updates or restarts cannot. Refer to the specific instructions provided with your device for initiating this recovery process.

- **Internal Drives Not Recognized (as reported by some users):**

  If the Mini PC does not recognize internal M.2 or SATA drives, ensure they are properly seated. If the issue persists, it may indicate a hardware problem. Please contact customer support for assistance.

WARRANTY AND SUPPORT

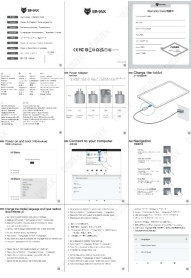Bmax is committed to providing excellent customer service and support for your Mini PC.

- **Warranty:** The Bmax B4 Plus Mini PC comes with a **12-month warranty** from the date of purchase.
- **Returns:** You are eligible for a **30-day no-reason return** from the date of purchase.
- **Customer Service:** Bmax offers **7x24-hour customer service support**.
- **Contact:** If you experience any problems or have questions regarding your Mini PC, please contact Bmax customer service via email. Refer to the product packaging or the official Bmax website for the most current contact information.

Related Documents - B4 Plus

	[BMAX Mini PC User Manual and Installation Guide](#) 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.
Preview	[BMAX B2 PLUS Mini PC User Manual and Warranty Information](#) Comprehensive guide for the BMAX B2 PLUS Mini PC, covering setup, features, and warranty details. Includes multilingual instructions and technical specifications.

	BMAX Kids Tablet I9 Plus User Manual - Features and Operation 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.
	BMAX MB01 Tablet PC User Manual User manual for the BMAX MB01 Tablet PC, covering appearance, features, settings, and FCC compliance information.
	BMAX Merchandising Refrigerator KXG-750 Product Specifications and Features Detailed overview of the BMAX Merchandising Refrigerator KXG-750, including core technology, flexible use applications, and comprehensive product specifications for various models.
	BMAX Phone Cases: Perfect Fit & Optimal Protection Guide Explore BMAX phone cases, including silicone hard, carbon soft, booktype, and bookcase styles, all designed for a perfect fit. Learn installation tips and discover how BMAX cases provide optimal protection against scratches and drops, complementing BMAX screen protectors.