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› BMAX B4Plus Mini PC Windows 11 Pro User Manual

BMAX B4 Ultra

BMAX B4Plus Mini PC User Manual

Model: B4 Ultra

1. INTRODUCTION

Thank you for choosing the BMAX B4Plus Mini PC. This compact and powerful desktop computer is designed for various applications, from daily tasks and office work to home entertainment and professional use. Featuring an Intel N95 processor, 12GB LPDDR5 RAM, and a 512GB M.2 SSD, it offers efficient performance in a small form factor. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal use of your device.

Intel Alder Lake-N N95

12e Génération

4/4 **3.4GHz** **15W**
Cœurs / Threads Fréquence Turbo TPD Max



1.2GHz
Graphiques Intel UHD



12Go LPDDR5
4400Mhz



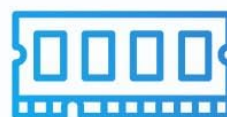
Wi-Fi

Double Bande 2.4G/5G



BT

Bluetooth 5.0



512Go

SSD M.2 2280

Prise en charge jusqu'à 2 To

Affichage Dual 4K UHD

 **HDMI 1.2x2**



TPD 15 W
MAX

Image 1.1: Front and side view of the BMAX B4Plus Mini PC, showcasing its compact design and various ports.

2. WHAT'S IN THE BOX

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

- BMAX B4Plus Mini PC
- Metal Mounting Bracket

- User Manual
- 1.5M HDMI Cable
- EU Power Adapter



Image 2.1: All items included in the BMAX B4Plus Mini PC package.

3. PRODUCT FEATURES

3.1. Compact Design

The BMAX B4Plus Mini PC features a minimalist and compact design, measuring approximately 10.8 x 10.5 x 3.6 cm and weighing 243 grams. Its small footprint allows for versatile placement, including desktop, VESA mount behind a monitor, or wall mounting, saving valuable desk space.

3.2. High-Performance Processor

Equipped with the 12th Generation Intel Alder Lake N95 processor (4 cores, up to 3.4 GHz), this mini PC delivers efficient performance for everyday computing, office applications, and multimedia tasks. It offers improved responsiveness and smoother operation compared to previous generation processors.



Image 3.1: Diagram illustrating the Intel Alder Lake N95 processor specifications.

3.3. Memory and Storage

The B4Plus comes with 12GB of LPDDR5 RAM running at 4400 MHz, ensuring fast multitasking and smooth application performance. It includes a 512GB M.2 SATA SSD for quick boot times and ample storage. Storage can be expanded by replacing the M.2 SSD with a PCIe 3.0 x2 or SATA M.2 2280 SSD up to 4TB.

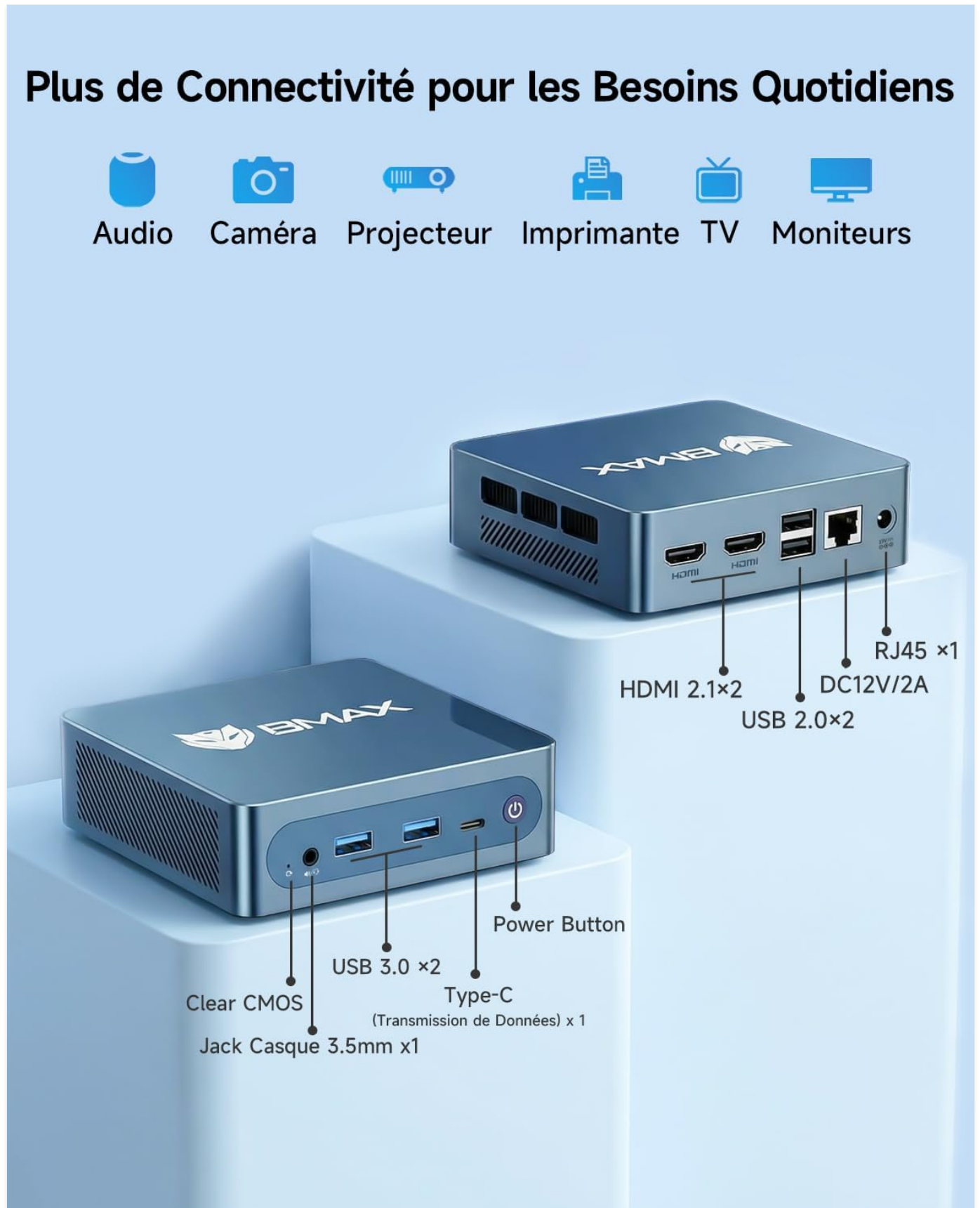


Image 3.2: Internal view of the Mini PC, highlighting the M.2 SSD slot for storage expansion.

3.4. Dual 4K Display Output

Equipped with Intel UHD Graphics and two HDMI 2.1 ports, the mini PC supports simultaneous dual 4K (3840x2160) display output at 60Hz. This feature is ideal for enhanced productivity, content creation, and immersive entertainment.

Affichage Double 4K UHD

4K@60Hz



HDMI 1.2x2



Image 3.3: The Mini PC connected to two monitors, demonstrating its dual 4K display capability.

3.5. Rich Connectivity

The B4Plus offers a comprehensive set of ports for various peripherals and network connections:

- 1x USB Type-C port (data transfer)

- 2x USB 3.0 ports (up to 10 Gbps)
- 2x USB 2.0 ports
- 2x HDMI 2.1 ports (4K@60Hz)
- 1x 3.5mm Audio Jack
- 1x Gigabit Ethernet (RJ45 1000 MbE)
- Wi-Fi 5 (802.11ac) and Bluetooth 5.0 for wireless connectivity

Profitez d'un Environnement de Bureau Ultra-Silencieux

Ventilateur de Refroidissement Intelligent et Sorties Doubles à 180°
pour une Dissipation Thermique à Haute Efficacité.

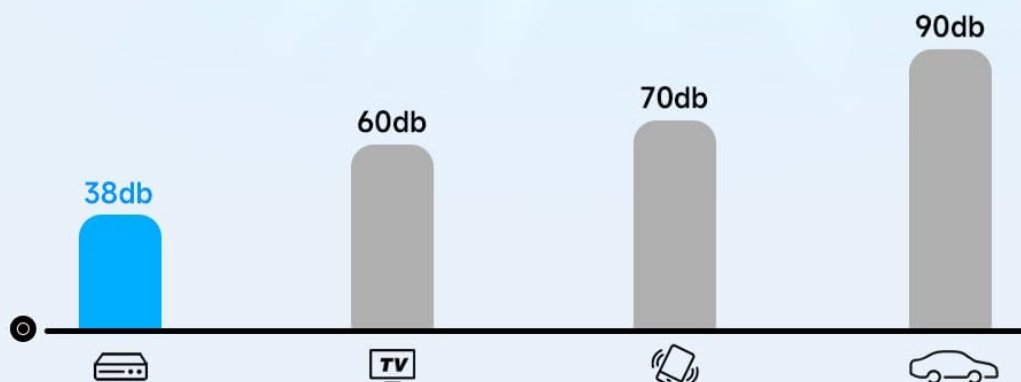
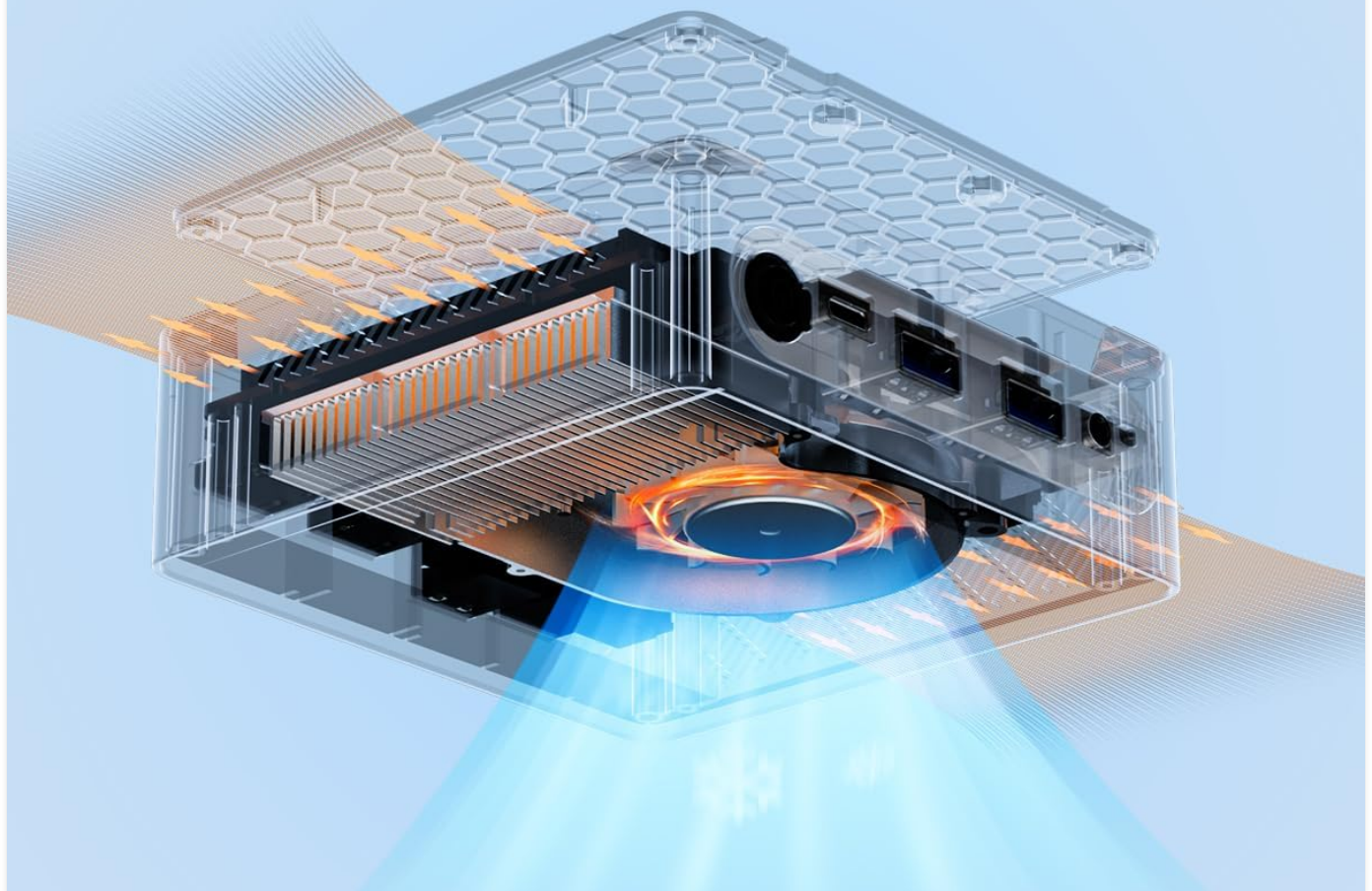


Image 3.4: Detailed view of the Mini PC's front and rear ports with labels.

3.6. Operating System and Advanced Features

The mini PC comes pre-installed with Windows 11 Pro and is also compatible with Linux and Ubuntu. It supports advanced features such as Wake-on-LAN, PXE Boot, Real-Time Clock (RTC) Wake-up, and Auto Power On, making it suitable for various professional and server applications.



Image 3.5: Visual representation of the Mini PC's operating system compatibility.

3.7. Efficient Cooling System

An intelligent cooling system, featuring a fan and a pure copper heat pipe, ensures stable performance even during prolonged use. This design maintains optimal operating temperatures and contributes to a quiet working environment.

Connexion Sans Fil Haute Vitesse et Faible Puissance



Image 3.6: Exploded view illustrating the Mini PC's intelligent cooling system.

4. SETUP INSTRUCTIONS

4.1. Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable to connect your monitor(s) to the HDMI ports on the back of the Mini PC.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports.

3. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable from your router to the RJ45 port on the Mini PC. For Wi-Fi, you will configure it during the initial Windows setup.
4. **Connect Power:** Plug the EU power adapter into the DC12V/2A port on the Mini PC, then plug the adapter into a power outlet.

4.2. Powering On

Press the power button located on the front of the Mini PC. The power indicator light will illuminate, and the system will begin to boot up.

4.3. Initial Windows Setup

Follow the on-screen instructions to complete the initial Windows 11 Pro setup, including language selection, region, network connection (if not wired), account creation, and privacy settings.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

Once Windows is set up, you can begin using your Mini PC. Navigate the operating system using your connected keyboard and mouse. Install necessary software and applications as required.

5.2. Dual Display Configuration

If you have connected two monitors, Windows will typically detect them automatically. To configure display settings (e.g., extend or duplicate displays, resolution), right-click on the desktop and select 'Display settings'.

5.3. Wake-on-LAN (WoL)

Wake-on-LAN allows you to remotely power on your Mini PC over a network. To enable this feature, you must activate it in the BIOS settings. Refer to your motherboard's BIOS manual for specific instructions on enabling WoL.



Image 5.1: Illustration of Wake-on-LAN functionality.

5.4. Auto Power On

The Auto Power On feature allows the Mini PC to automatically power on when connected to a power source. This can be useful for specific applications or environments. This setting is typically configured within the BIOS.

Prise en charge du Wake-on-LAN

Activez dans le BIOS : Débloquez la puissance du réveil à distance !



Image 5.2: Visual representation of the Auto Power On feature.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from ventilation openings to ensure proper airflow and cooling. Do not use liquid cleaners directly on the device.

6.2. Software Updates

Keep your operating system and drivers updated to ensure optimal performance and security. Windows Update can be accessed via 'Settings > Windows Update'.

6.3. Storage Expansion

The internal 512GB M.2 SSD can be replaced with a larger capacity M.2 2280 SSD (PCIe 3.0 x2 or SATA) up to 4TB. To do this, carefully open the Mini PC casing, locate the M.2 slot, and replace the drive. Ensure the device is powered off and unplugged before performing any internal maintenance.

7. TROUBLESHOOTING

If you encounter issues with your BMAX B4Plus 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. Check if the power indicator light is on.
- **No Display:** Verify that the HDMI cable(s) are correctly connected to both the Mini PC and the monitor(s). Ensure the monitor is powered on and set to the correct input source. Try using a different HDMI cable or monitor if possible.
- **No Internet Connection:** For wired connections, check the Ethernet cable and your router. For Wi-Fi, ensure Wi-Fi is enabled in Windows settings and you are connected to the correct network with the correct password.
- **Slow Performance:** Close unnecessary applications, check for background processes, and ensure your system is up to date. Consider running a disk cleanup or defragmentation if using an HDD (though this model uses SSD).
- **Peripheral Not Detected:** Try plugging the peripheral into a different USB port. Ensure drivers are installed if required.

If these steps do not resolve your issue, please contact BMAX customer support for further assistance.

8. SPECIFICATIONS

Key technical specifications for the BMAX B4Plus Mini PC:

Feature	Specification
Brand	BMAX
Model Name	B4 Ultra
Operating System	Windows 11 Pro (compatible with Linux, Ubuntu)
CPU Model	Intel Alder Lake N95
CPU Speed	Up to 3.4 GHz
Installed RAM Memory	12 GB LPDDR5
Memory Speed	4400 MHz
Storage Capacity	512 GB M.2 SATA SSD (expandable up to 4TB)
Graphics Coprocessor	Integrated Intel UHD Graphics
Video Output Interface	2x HDMI 2.1
Maximum Display Resolution	3840 x 2160 (4K)
Total USB Ports	1x Type-C, 2x USB 3.0, 2x USB 2.0
Network Connectivity	Wi-Fi 5 (802.11ac), Bluetooth 5.0, Gigabit Ethernet (RJ45)
Audio Output	3.5mm Audio Jack
Power Consumption	15 Watt
Item Dimensions	10.8 x 10.5 x 3.6 cm
Item Weight	243 Grams

9. WARRANTY AND SUPPORT

9.1. Warranty Information

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

9.2. Customer Support

For technical assistance, warranty claims, or any product-related inquiries, please contact BMAX customer support through the platform where you purchased the product. On Amazon, you can typically find support by navigating to 'Your Account' > 'Your Orders' > 'Ask a question about the product'.



Image 9.1: Guide on how to access after-sales support via Amazon.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question

Open the live page

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