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## Bmax B1 Pro

# Bmax Mini PC B1 Pro User Manual

Model: B1 Pro | Brand: Bmax

## 1. INTRODUCTION AND OVERVIEW

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The Bmax Mini PC B1 Pro is a compact and efficient desktop computer designed for various tasks, including office work, multimedia consumption, and web browsing. Its small form factor allows for flexible placement in any environment, while its robust specifications ensure smooth performance for everyday computing needs.



Image: The Bmax Mini PC B1 Pro, showcasing its compact size as it is held in a hand.

## 2. WHAT'S IN THE BOX

Upon opening your Bmax Mini PC B1 Pro package, please ensure all the following items are present:

- 1 x Bmax Mini PC B1 Pro (8GB+128GB)
- 1 x HDMI Cable
- 1 x US Power Adapter
- 1 x User Manual (this document)
- 1 x VESA Mount with Screws



Image: All components included in the Bmax Mini PC B1 Pro package, laid out next to the product box.

### 3. PRODUCT FEATURES

#### 3.1. Processor and Performance

The Bmax Mini PC B1 Pro is equipped with the Intel Gemini Lake N4000 processor, offering a base frequency of 1.1 GHz and a burst frequency of up to 2.6 GHz. This processor, combined with 8GB of LPDDR4 RAM, provides efficient performance for daily computing tasks, ensuring smooth operation for web browsing, document editing, and multimedia playback.

# Intel Gemini Lake N4000



Image: Detailed specifications of the Intel Gemini Lake N4000 processor, highlighting its 2 cores, 2 threads, 14nm process, 4MB cache, 6W power consumption, and 2.6 GHz burst frequency.

## 3.2. Memory and Storage

The device comes with 128GB of eMMC storage for quick boot times and application loading. For expanded storage needs, the Mini PC supports adding an M.2\_2280 SATA SSD (up to 1TB, not included). This allows users to significantly increase storage capacity for files, applications, and media.

# 8GB LPDDR4 128GB eMMC

 M.2\_SATA\_2280 x1



Image: An X-ray view of the Bmax Mini PC B1 Pro, illustrating the internal layout and the M.2\_2280 SATA SSD expansion slot.

## 3.3. Connectivity and Ports

The B1 Pro offers comprehensive connectivity options:

- **USB Ports:** 2 x USB 3.0, 2 x USB 2.0
- **Video Outputs:** 1 x HDMI, 1 x VGA (supports 4K dual screen display)
- **Network:** LAN 1000Mbps Ethernet port, 2.4G/5G Dual Band Wi-Fi (802.11ac)
- **Wireless:** Bluetooth 4.2 for connecting peripherals like mice, keyboards, and speakers.
- **Audio:** 3.5mm Headset Jack
- **Other:** Micro SD Card Slot, Power In, Power Button, Clear CMOS

# Multi Ports For All Users

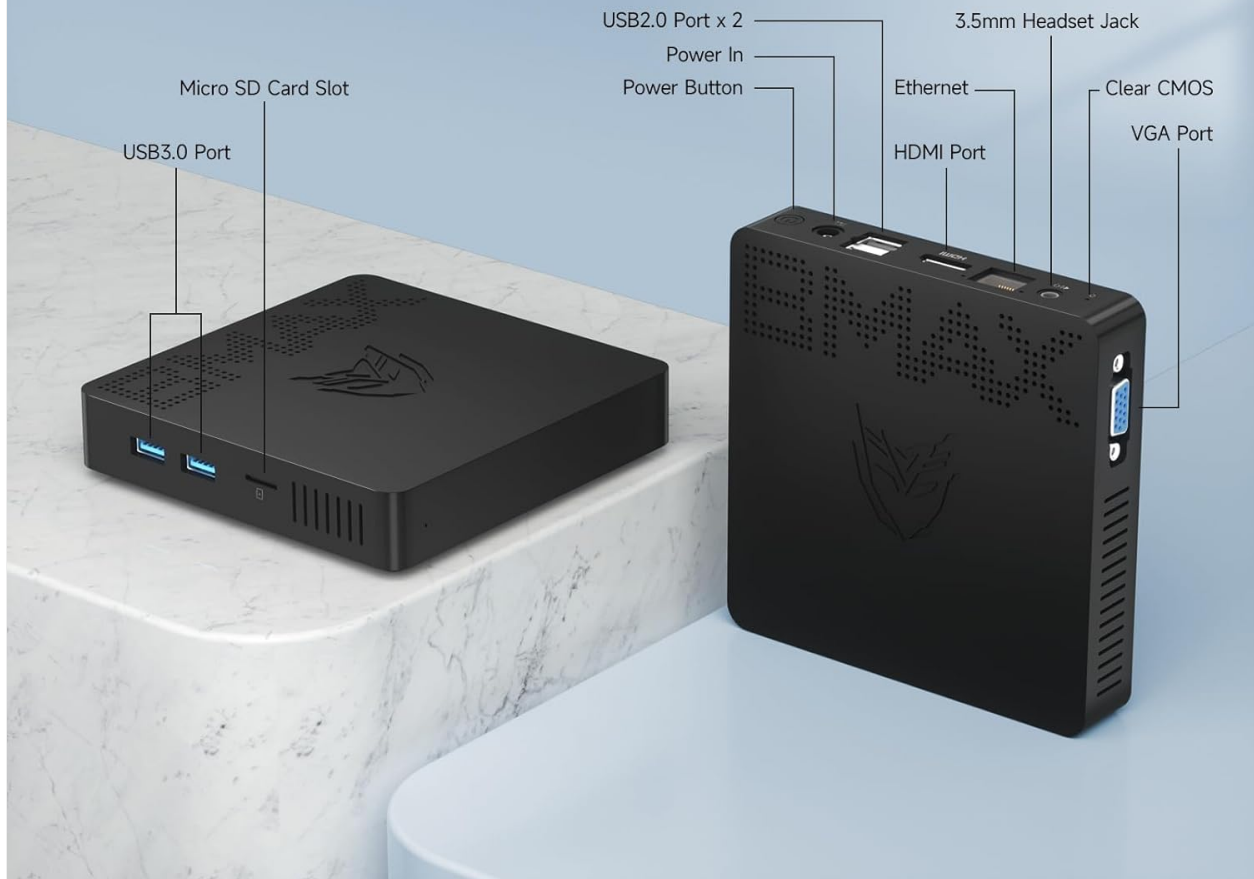


Image: A visual guide to the various ports on the Bmax Mini PC B1 Pro, including USB, HDMI, VGA, Ethernet, and audio jacks, indicating their compatibility with different devices.

## 3.4. Compact Design and Mounting

With dimensions of only 4.7 x 4.7 x 0.9 inches and a weight of approximately 8.5 ounces, the B1 Pro is exceptionally portable and space-saving. It includes a VESA bracket, allowing it to be easily mounted behind a monitor or on a wall, creating a clutter-free workspace.

4.72inch(L)×4.72inch(W)×1.02inch(H)



Image: The Bmax Mini PC B1 Pro shown next to a smartphone, illustrating its small physical dimensions and light weight.

Size 4.72(L)×4.72(W)×1.02(H) inches



Image: Demonstrations of the Bmax Mini PC B1 Pro's versatile placement options: resting on a desk, attached to a VESA mount, and mounted on a wall.

## 4. SETUP GUIDE

## 4.1. Initial Setup

For the first boot of your Bmax Mini PC B1 Pro, it is recommended **not** connect to Ethernet or Wi-Fi. This can help expedite the initial Windows setup process. Once the initial setup is complete, you can connect to your network.

## 4.2. Connecting Peripherals

1. Connect your keyboard and mouse to the available USB ports.
2. Connect your monitor(s) using either the HDMI or VGA port.
3. Plug in the US Power Adapter to the Mini PC and then to a power outlet.
4. Press the power button to turn on the device.

## 4.3. Display Setup

The B1 Pro supports dual 4K display output via its HDMI and VGA ports, allowing for an extended workspace or mirrored displays.



Image: The Bmax Mini PC B1 Pro demonstrating its capability to connect to and display content on two monitors simultaneously.

Video: An official product video from Bmax Direct showcasing the B1 Pro Mini PC, its features, and connectivity options.

## 5. OPERATING INSTRUCTIONS

### 5.1. Power On/Off

To power on the Mini PC, press the power button located on the device. To power off, use the standard shutdown procedure within the operating system (Start Menu > Power > Shut down) or press and hold the power button for a few seconds.

### 5.2. Operating System

The Bmax Mini PC B1 Pro comes with Windows 11 Pro pre-installed. It also supports other operating systems such as Linux (Ubuntu).



Image: The Bmax Mini PC B1 Pro connected to a monitor, displaying the Windows 11 Pro desktop, indicating its pre-installed operating system and compatibility with Linux/Ubuntu.

### 5.3. Remote Access

The Mini PC supports Wake On LAN, RTC Wake, and Auto Power On, allowing for convenient remote access and management. These features can be configured in the BIOS settings.

## 6. STORAGE EXPANSION

The Bmax Mini PC B1 Pro offers an M.2\_2280 SATA SSD expansion slot, allowing users to upgrade storage up to 1TB. This is ideal for users requiring more space for applications, large files, or a secondary operating system. The expansion slot is easily accessible for user-friendly upgrades.



Image: A visual step-by-step guide demonstrating how to open the Bmax Mini PC B1 Pro and install an M.2 SATA SSD for storage expansion.

## 7. MAINTENANCE

### 7.1. Heat Dissipation

The B1 Pro features a silent heatsink design that efficiently cools the CPU processor, ensuring stable performance and a quiet working environment. Regular cleaning of dust from the vents can help maintain optimal heat dissipation.



Image: An internal diagram of the Bmax Mini PC B1 Pro highlighting its efficient heat dissipation system, which contributes to a silent operation.

### 7.2. General Care

To ensure the longevity of your Mini PC, keep it in a clean, dry environment away from direct sunlight and extreme temperatures. Avoid spilling liquids on the device and use a soft, dry cloth for cleaning the exterior.

## 8. TROUBLESHOOTING

If you encounter any issues with your Bmax Mini PC B1 Pro, please refer to the following general troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet.

- **No Display:** Verify that the HDMI/VGA cable is properly connected to both the Mini PC and the monitor. Try a different cable or monitor if possible.
- **System Slowdown:** Check for excessive background processes, update drivers, or consider expanding storage with an M.2 SSD if your current storage is nearly full.
- **Network Connectivity Issues:** Ensure Wi-Fi is enabled or the Ethernet cable is properly connected. Restart your router/modem.

For persistent issues, please contact Bmax customer support.

## 9. SPECIFICATIONS

Feature	Specification
Brand	Bmax
Series	B1 Pro
Processor	Intel Celeron N4000 (Up to 2.6 GHz)
RAM	8 GB LPDDR4
Hard Drive	128 GB eMMC
Storage Expansion	M.2_2280 SATA SSD (up to 1TB, not included)
Graphics Coprocessor	Intel UHD Graphics 600
Max Screen Resolution	3840 x 2160 pixels (4K)
Wireless Type	Bluetooth 4.2, 802.11ac (2.4G/5G Dual Band WiFi)
Ethernet	1000Mbps LAN
Operating System	Windows 11 Pro (pre-installed), supports Linux/Ubuntu
Item Weight	7.8 ounces
Package Dimensions	11.06 x 6.18 x 2.91 inches
Color	Black

## 10. WARRANTY AND SUPPORT

Bmax provides a 12-month warranty for the Mini PC B1 Pro, ensuring satisfaction and product reliability. Additionally, lifetime technical support is available to assist with any queries or issues you may encounter. For support, please contact Bmax customer service via email.