

Bmax B1 Pro

Bmax Mini PC B1 Pro User Manual

Model: B1 Pro

Brand: Bmax

INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Bmax Mini PC B1 Pro. Designed for efficiency and versatility, this mini PC offers a compact solution for various computing needs, from multimedia to business applications.



Image: The Bmax Mini PC B1 Pro, showcasing its compact design and various ports including HDMI, USB, and Ethernet.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

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

BMAX B1 Pro MINI PC



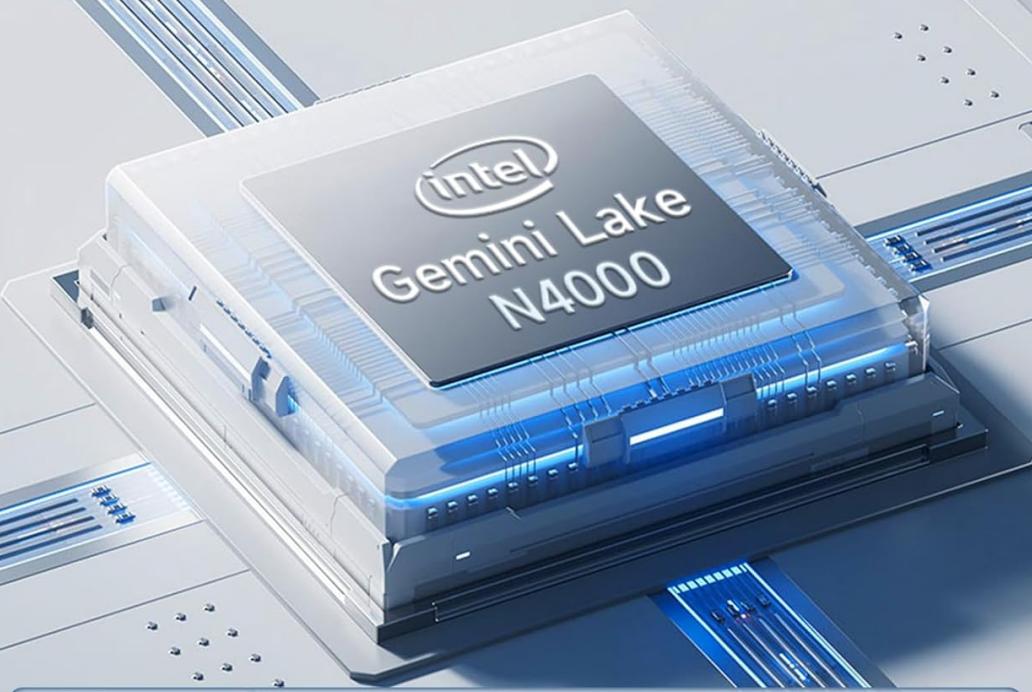
Image: All components included in the Bmax Mini PC B1 Pro retail package.

PRODUCT OVERVIEW AND KEY FEATURES

Processor and Performance

The Bmax Mini PC B1 Pro is equipped with an Intel Celeron N4000 processor, offering a base frequency of 1.1 GHz and a burst frequency of up to 2.6 GHz. This processor is designed for smooth and stable operation, suitable for everyday computing tasks.

Intel Gemini Lake N4000



2
Cores

2
Threads

14nm
Nanometre

4MB
Cache

6W
Power Consumption

2.6 GHz
Burst Frequency

Image: Detailed specifications of the Intel Gemini Lake N4000 processor.

Memory and Storage

The device comes with 8GB of LPDDR4 RAM and 128GB of eMMC storage. It supports additional storage expansion via an M.2_2280 SATA SSD (up to 1TB, SSD not included) or an external mobile hard disk box via USB 3.0. This allows for ample space for multiple applications and files.

8GB LPDDR4 128GB eMMC



M.2_SATA_2280 x1



Image: Visual representation of the M.2 SATA 2280 expansion slot.

Display Capabilities

The B1 Pro supports 4K (3840 x 2160) ultra-high-definition display output. It features both HDMI and VGA ports, enabling dual monitor setups for increased productivity.

Dual Screen Display



2.4GHz/5GHz



Bluetooth 4.2



1x HDMI



Image: The Bmax Mini PC B1 Pro connected to two monitors for a dual-screen setup.

Connectivity and Ports

This mini PC includes 802.11ac Dual-Band Wi-Fi and Bluetooth 4.2 for wireless connectivity. It also features a 1000Mbps LAN port for stable wired network access. A variety of ports are available for peripherals and displays.

- 2 x USB 3.0 Ports
- 2 x USB 2.0 Ports
- 1 x HDMI Port
- 1 x VGA Port
- 1 x Ethernet (LAN) Port
- 1 x 3.5mm Headset Jack
- 1 x Micro SD Card Slot
- Power In
- Clear CMOS button

Multi Ports For All Users

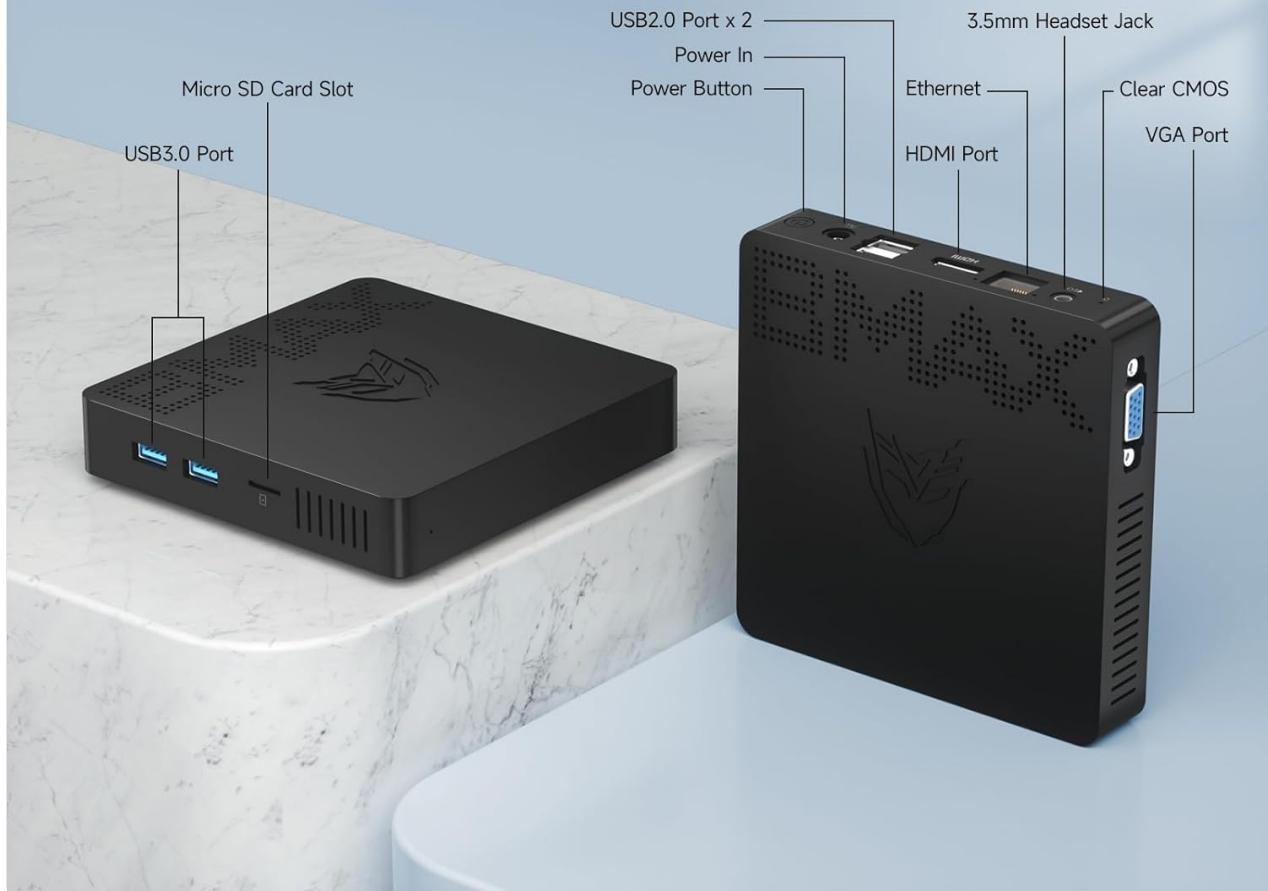


Image: A detailed view of all available ports on the Bmax Mini PC B1 Pro.

Compact Design

Weighing only 8.5 ounces and measuring 4.7 x 4.7 x 0.9 inches, the B1 Pro is highly portable. It includes a VESA bracket for mounting behind a monitor, creating a clean and uncluttered workspace.

Compact Desktop Computing, Anywhere

It's BMAX's Mini PC, the BMAX MaxMini B1 Pro, which is small, weighs only 220g and is 2.2cm thick, so you can put it wherever you want. It supports wall mount design to save space. When it connects with a monitor, it instantly become an all-in-one PC.



Image: The Bmax Mini PC B1 Pro held in a hand, demonstrating its compact size.

SETUP GUIDE

Initial Connection

- Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. If using a VGA display, connect via the VGA port.
- Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
- Connect to Power:** Connect the US Power Adapter to the Mini PC's power input port, then plug it into a power outlet.
- Power On:** Press the power button located on the front of the Mini PC. The system will boot up.
- Initial Windows Setup:** Follow the on-screen instructions to complete the Windows operating system setup.

VESA Mount Installation

The Bmax Mini PC B1 Pro comes with a VESA bracket, allowing you to mount it behind a compatible monitor or on a wall. This helps save desk space and creates a cleaner setup.

1. Attach the VESA bracket to the back of your monitor using the provided screws. Ensure it is securely fastened.
2. Slide the Mini PC onto the VESA bracket until it clicks into place.
3. Connect all necessary cables (power, display, peripherals) to the Mini PC.



Image: Different placement options for the Bmax Mini PC B1 Pro, including VESA mounting.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press the power button to turn the PC on. To turn off, use the operating system's shutdown function or press and hold the power button for a few seconds for a forced shutdown (not recommended for regular use).
- **Restart:** Use the operating system's restart function.
- **Sleep Mode:** The PC will enter sleep mode after a period of inactivity, or you can manually put it to sleep via the operating system. Press any key or move the mouse to wake it up.

Dual Display Setup

To utilize the dual display feature, connect one monitor to the HDMI port and another to the VGA port. Once both monitors are connected and powered on, your operating system should automatically detect them. You can then configure display settings (extend, duplicate, or show only on one display) through your operating system's display settings.

Image: A dual monitor setup powered by the Bmax Mini PC.

MAINTENANCE AND EXPANSION

Adding an M.2 SSD

The Bmax Mini PC B1 Pro supports M.2_2280 SATA SSD expansion for additional storage. Follow these steps to install an SSD:

- Power Off:** Ensure the Mini PC is completely powered off and disconnected from the power adapter.
- Access Panel:** Locate the access panel on the bottom of the Mini PC. Remove the screw securing the panel and carefully open it.
- Install SSD:** Gently insert the M.2_2280 SATA SSD into the designated slot. Secure it with the provided screw (if available, otherwise use a compatible screw).
- Close Panel:** Replace the access panel and secure it with the screw.
- Initialize SSD:** After powering on the PC, you may need to initialize and format the new SSD through Disk Management in Windows before it can be used.

Your browser does not support the video tag.

Video: A step-by-step guide on how to add an M.2 SSD to the Bmax Mini PC B1 Pro.



Image: Visual steps for M.2 SSD installation.

General Care

- Keep the device in a clean, dry environment away from direct sunlight and extreme temperatures.
- Avoid blocking the ventilation holes to ensure proper airflow and prevent overheating.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Does not turn on	Power adapter not connected or faulty; Power outlet issue.	Ensure power adapter is securely connected to both the PC and a working power outlet. Try a different outlet.
No display on monitor	Display cable loose or incorrect port; Monitor input not selected.	Check HDMI/VGA cable connections. Ensure monitor is set to the correct input source (HDMI/VGA). Try a different cable or monitor.

Problem	Possible Cause	Solution
Wi-Fi/Bluetooth not working	Drivers not installed; Wireless function disabled.	Check device manager for driver issues. Ensure Wi-Fi/Bluetooth is enabled in Windows settings. Restart the PC.
Slow performance	Too many applications running; Low storage space.	Close unnecessary applications. Free up disk space. Consider adding an M.2 SSD for expansion.

For further assistance, please refer to the [Warranty and Support](#) section.

TECHNICAL SPECIFICATIONS

Model	B1 Pro
Processor	Intel Celeron N4000 (Base 1.1 GHz, up to 2.6 GHz)
RAM	8GB LPDDR4
Storage	128GB eMMC (Expandable via M.2_2280 SATA SSD up to 1TB)
Graphics	Intel UHD Graphics 600
Display Output	HDMI (4K @ 30Hz), VGA (Dual Display Support)
Wireless Connectivity	802.11ac Dual-Band Wi-Fi, Bluetooth 4.2
Wired Connectivity	1000Mbps LAN (Ethernet)
Ports	2x USB 3.0, 2x USB 2.0, 1x HDMI, 1x VGA, 1x RJ45 Ethernet, 1x 3.5mm Headset Jack, 1x Micro SD Card Slot, Power In
Operating System	Pre-installed OS (e.g., Windows 11 Pro as per reviews)
Dimensions	4.7 x 4.7 x 0.9 inches (12 x 12 x 2.3 cm)
Weight	7.8 ounces (220g)

WARRANTY AND SUPPORT

The Bmax Mini PC B1 Pro comes with a **12-month warranty** from the date of purchase. Bmax also provides **lifetime technical support** for this product.

For technical assistance, troubleshooting, or warranty claims, please contact Bmax customer service via email. Refer to the contact information provided on the official Bmax website or your purchase documentation.

The device supports features such as Wake On LAN, RTC Wake, and Auto Power On (configurable in BIOS settings).

Unsupported Device List as of WZM Version 4.0				
Brand	Device	Manufacturer	Model Name	Model ID
miu	8		MIU (8)	
OPPO	900	OPPO	OPPO 900	
vivo	1804	Vivo	vivo1804	
vivo	1805	Vivo	vivo1805	
vivo	1806	Vivo	vivo1806	
vivo	1813	Vivo	vivo1813	
vivo	1818	Vivo	vivo1818	
vivo	1819	Vivo	vivo1819	
coolpad	1901	Coolpad	Coolpad	
vivo	1901	Vivo	vivo1901	
vivo	1904	Vivo	vivo1904	
vivo	1905	Vivo	vivo1905	
vivo	1907	Vivo	vivo1907	
vivo	1909	Vivo	vivo1909	
vivo	1910	Vivo	vivo1910	
vivo	1912	Vivo	vivo1912	
vivo	1913	Vivo	vivo1913	
vivo	1915	Vivo	vivo1915	
vivo	1917	Vivo	vivo1917	
DOOGEE	1917	Doogee	1917	
DOOGEE	1918	Doogee	1918	
vivo	1919	Vivo	vivo1919	
vivo	1920	Vivo	vivo1920	
vivo	1921	Vivo	vivo1921	
vivo	1922	Vivo	vivo1922	
vivo	1923	Vivo	vivo1923	
vivo	1925	Vivo	vivo1925	
vivo	1927	Vivo	vivo1927	
vivo	1928	Vivo	vivo1928	
vivo	1961	Vivo	Z1 Pro	
vivo	1964	Vivo	Z5	
vivo	2005	Vivo	V2005	
vivo	2015	Vivo	vivo2015	
vivo	2023	Vivo	V2023	
vivo	2030	Vivo	V2030	
vivo	2036	Vivo	V2036	
vivo	2046	Vivo	V2046	
vivo	2067	Vivo	V2067	
vivo	2069	Vivo	V2069	
vivo	2070	Vivo	V2070	
vivo	2084	Vivo	V2084	

[WZM Version 4.0 Unsupported Device List: Comprehensive Guide](#)

A comprehensive list of mobile devices and models that are not supported by WZM Version 4.0, including brands like Vivo, Samsung, Nokia, and more. Essential for compatibility checks.

lang:de score:9 filesize: 1.64 M page_count: 98 document date: 2024-11-06