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› BMAX B3 Pro Mini PC User Manual

BMAX B3 Pro

BMAX B3 Pro Mini PC User Manual

Model: B3 Pro

INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your BMAX B3 Pro Mini PC. The BMAX B3 Pro is a compact and efficient mini-desktop computer designed for various applications, from office work and online education to home entertainment. It features an Intel N4500 processor, 8GB RAM, 256GB SSD, and comes pre-installed with Windows 11 Pro.

PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with setup.

- BMAX B3 Pro Mini PC
- VESA Mount and Screws
- User Manual
- HDMI Cable (59 inches)
- EU Plug Power Adapter
- SATA Cable (for 2.5-inch drive expansion)

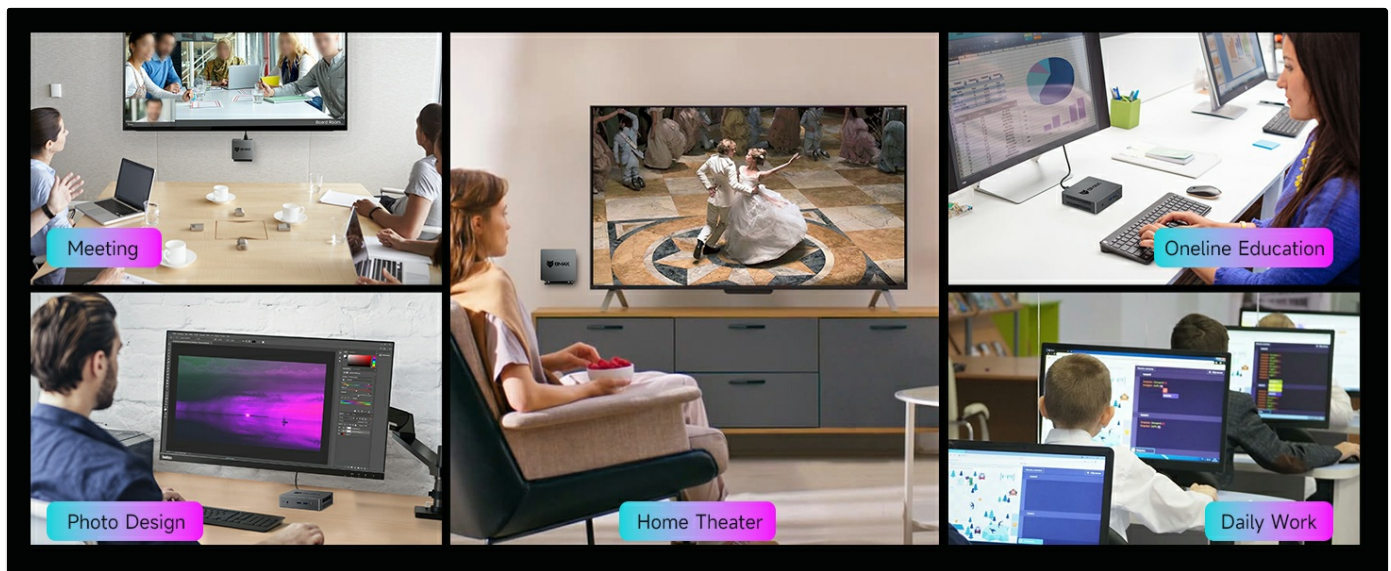


Image: Contents of the BMAX B3 Pro Mini PC retail package.

PRODUCT OVERVIEW

The BMAX B3 Pro Mini PC is designed for compact performance. Below are its key features and physical specifications.

Dimensions and Design

- **Dimensions:** 12.5 x 11.2 x 4.4 cm (4.9 x 4.4 x 1.7 inches)
- **Weight:** 270 grams (approximately 0.6 lbs)
- **Color:** Space Grey
- **Material:** Durable Plastic Shell
- **Mounting:** Supports VESA mounting for attachment behind a monitor or wall mounting. Can also be placed on a desk.

Micro Size & Portable Design



Image: BMAX B3 Pro Mini PC demonstrating its micro size and portable design, including desktop, VESA mount, and portability examples.



Ports and Connectivity

- **USB Ports:** 2x USB 3.0 Type-A, 2x USB 2.0 Type-A (Total 4 USB ports)
- **Video Output:** 2x HDMI 2.0 (supports dual 4K@60Hz display)
- **Network:** Gigabit Ethernet (RJ45), Wi-Fi 5 (802.11ac/b/g/n), Bluetooth 5.0
- **Audio:** 3.5mm Audio Jack
- **Power:** DC 12V/2A input
- **Other:** Clear CMOS button, Power button



Image: Detailed view of the BMAX B3 Pro Mini PC's multi-expansion interface and ports.

SETUP INSTRUCTIONS

1. **Connect to Power:** Plug the EU Plug Power Adapter into the DC 12V/2A port on the Mini PC and then into a power outlet.
2. **Connect to Display:** Use an HDMI cable to connect your monitor(s) to the HDMI 2.0 ports on the Mini PC. The device supports dual 4K@60Hz displays.
3. **Connect Peripherals:** Connect your keyboard and mouse to the available USB ports.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, the device supports Wi-Fi 5 and Bluetooth 5.0, which can be configured after initial boot.
5. **Power On:** Press the power button located on the front of the Mini PC.
6. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup.



Image: BMAX B3 Pro Mini PC connected to a dual 4K display setup.

OPERATING INSTRUCTIONS

Operating System

The BMAX B3 Pro comes with Windows 11 Pro pre-installed. It also supports Linux distributions like Ubuntu, allowing for flexible operating system choices.



Image: Multi-system compatibility of the BMAX B3 Pro Mini PC.

Daily Use

The Mini PC is suitable for a wide range of daily tasks:

- **Office Work:** Efficiently handles office applications, document editing, and presentations.
- **Online Education:** Stable performance for virtual classes and learning platforms.
- **Home Entertainment:** Functions as a media center for streaming 4K content.
- **Light Gaming:** Capable of running less demanding games.
- **Photo/Video Editing:** Suitable for basic photo and video editing tasks.



Image: Wide applicability of the BMAX B3 Pro Mini PC in different scenarios.

MAINTENANCE

Cooling System

The B3 Pro features an integrated smart cooling fan system that automatically adjusts its speed based on system load. This ensures effective heat dissipation, keeping the Mini PC cool and stable even under continuous operation. The design aims for low noise and energy efficiency (6W TDP).

Built-in Smart Cooling Fan

providing efficient, quiet, and reliable cooling

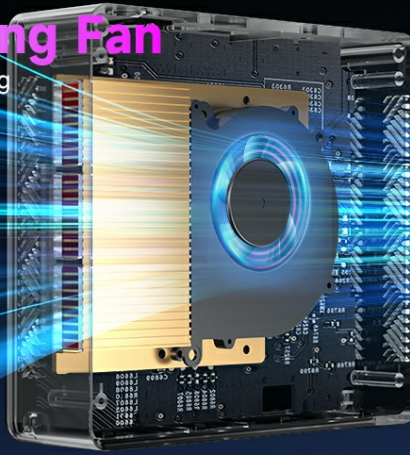


Image: Internal view of the BMAX B3 Pro Mini PC's smart cooling fan.

Storage Expansion

The Mini PC includes a 256GB M.2 SSD for fast boot times and application loading. For additional storage, it offers two flexible M.2 slots that support both SATA and NVMe SSDs up to 2TB (not included). The device has an easy-opening design for 2.5-inch hard drive installation.

Easily Expand Storage

 256 GB M.2 SSD Max 2TB

 8 GB LPDDR4



Image: Internal view demonstrating easy storage expansion with M.2 slots.

TROUBLESHOOTING

• No Power:

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

• No Display:

- Check HDMI cable connections to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try a different HDMI cable or monitor if available.

• Slow Performance:

- Close unnecessary applications running in the background.
- Check for available Windows updates and install them.
- Ensure sufficient free space on the SSD.
- Consider adding more storage if frequently running out of space.

- **Network Connectivity Issues:**

- For wired connections, ensure the Ethernet cable is properly connected to both the Mini PC and the router/modem.
- For Wi-Fi, check if the Wi-Fi adapter is enabled and connected to the correct network. Restart your router if necessary.
- Ensure Bluetooth devices are within range and properly paired.

- **System Not Responding:**

- Press and hold the power button for 5-10 seconds to force a shutdown. Restart the Mini PC.
- If issues persist, consider using the BMAX Factory Reset option (refer to the BMAX Smart Recovery image for guidance).



Image: BMAX Smart Recovery interface for system restoration.

SPECIFICATIONS

Feature	Detail
Model Name	B3 Pro
Processor	Intel Celeron Processor N4500 (2 Cores, 2 Threads, up to 2.8 GHz)
Graphics	Intel UHD Graphics (Max Frequency 750MHz)
RAM	8GB LPDDR4 2133MHz (Onboard)
Storage	256GB M.2 SSD (SATA)
Expandable Storage	2x M.2 slots (SATA & NVMe PCIe 3.0x4, up to 2TB)

Operating System	Windows 11 Pro (Pre-installed), supports Linux (Ubuntu)
Video Output	2x HDMI 2.0 (Dual 4K@60Hz)
USB Ports	2x USB 3.0 Type-A, 2x USB 2.0 Type-A
Network	Gigabit Ethernet, Wi-Fi 5 (802.11ac), Bluetooth 5.0
Audio	3.5mm Audio Jack
Power Consumption	6W TDP
Dimensions	12.5 x 11.2 x 4.4 cm
Weight	270 g
Cooling Method	Smart Cooling Fan (Air)

Intel Jasper Lake N4500 Processor

2 Cores

2 Threads

2.8 GHz Turbo Frequency



 Intel UHD Graphics
Max Frequency 750MHz


8GB LPDDR4 2133MHz


M.2_2280_SATA(AHCI)
M.2_2280_PCI-e3.0x4 (NVMe)
(Support up to 2TB)

 Wi-Fi 5

 Bluetooth 5.0

USB3.0x2 | USB2.0x2 | HDMI2.0x2



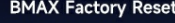

Ultra-Compact Design
125mm×112mm×33mm


Efficient Cooling
Low Noise

Dual Screen Display
2 x HDMI 2.0(4K@60Hz)




Win 11 Pro
Pre-installed
Support Linux(Ubuntu)


BMAX Factory Reset


Smart Recovery

Image: Overview of BMAX B3 Pro Mini PC technical specifications.

WARRANTY AND SUPPORT

BMAX provides comprehensive support for its products:

- **Warranty:** 12 months manufacturer's warranty against material defects.
- **Returns:** 30-day free return policy.
- **Technical Support:** Lifetime technical support is available.
- **Customer Service:** 24/7 customer service.

For support, log in to your Amazon account, navigate to "My Orders," and select "Ask a question about the product."



Image: BMAX After-Sales Support information.

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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