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› BMAX B7A Pro Mini PC User Manual

## BMAX B7A Pro

# BMAX B7A Pro Mini PC User Manual

Model: B7A Pro

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## 1. INTRODUCTION

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This manual provides essential information for setting up, operating, and maintaining your BMAX B7A Pro Mini PC. Please read it thoroughly before using the device to ensure optimal performance and longevity.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the box:

- 1 x BMAX Mini PC
- 1 x Power Adapter
- 1 x HDMI Cable (1.5 m)
- 1 x User Manual (this document)
- 1 x VESA Mount (for monitor attachment)

# Récupérer rapidement le système Windows

Récupération intelligente Bienvenue dans l'environnement de récupération intelligente BMAX. Vous pouvez réinitialiser votre Windows à ses paramètres d'usine.



Image: Package contents of the BMAX B7A Pro Mini PC.

## 3. PRODUCT OVERVIEW

### 3.1 Front and Rear Ports

Familiarize yourself with the available ports on your BMAX B7A Pro Mini PC:



Image: Front and rear port layout of the BMAX B7A Pro Mini PC.

- **Front:** Power Button, 2x USB 3.2, 1x USB-C (full-featured), 3.5mm Headphone Jack, CMOS Clear Button
- **Rear:** Ethernet Port, 2x USB 2.0, 1x HDMI 2.1, 1x DisplayPort 1.4, Power Input

## 3.2 Key Features

- **Processor:** AMD Ryzen 5 7430U (6 Cores/12 Threads, up to 4.3 GHz, 16 MB Cache)
- **Memory:** 16GB DDR4 SO-DIMM RAM (expandable up to 64GB)
- **Storage:** 512GB M.2 2280 PCIe 4.0 x 4 SSD (expandable up to 2TB)
- **Graphics:** Integrated AMD Radeon Graphics (up to 1900 MHz)
- **Display Output:** Supports 4K@60Hz triple display via HDMI 2.1, DisplayPort 1.4, and USB-C
- **Wireless Connectivity:** Dual-band Wi-Fi 6 (2.4G + 5G), Bluetooth 5.2
- **Operating System:** Pre-installed Windows 11 Pro (also compatible with Linux)
- **Cooling:** Smart fan cooling system

## 4. SETUP INSTRUCTIONS

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### 4.1 Connecting Peripherals

1. **Power:** Connect the power adapter to the DC-in port on the rear of the Mini PC and then to a power outlet.
2. **Display:** Connect your monitor(s) to the HDMI, DisplayPort, or USB-C video output ports. The Mini PC supports up to three displays simultaneously.
3. **Keyboard and Mouse:** Connect your USB keyboard and mouse to the available USB ports.
4. **Network:** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, ensure Wi-Fi is enabled in the operating system.
5. **Audio:** Connect speakers or headphones to the 3.5mm audio jack if needed.



Image: Installation guide for space-saving placement options.

## 4.2 Initial Power On

Press the power button located on the front of the Mini PC. The system will boot up. Follow the on-screen instructions for the initial Windows 11 Pro setup.

## 4.3 VESA Mount Installation

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space.

1. Attach the VESA mount bracket to the back of your monitor using the provided screws. Ensure the monitor has VESA mounting holes (typically 75x75mm or 100x100mm).
2. Slide the Mini PC onto the VESA mount until it clicks securely into place.



Image: Various space-saving placement options for the Mini PC.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- **To Power On:** Press the power button once.
- **To Shut Down:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).

## 5.2 Display Configuration

The BMAX B7A Pro supports up to three displays. To configure multiple displays in Windows:

1. Right-click on the desktop and select "Display settings."
2. Under "Multiple displays," you can detect, identify, and arrange your displays.
3. Choose your preferred display mode (e.g., Extend these displays, Duplicate these displays).

**16 Go + 512 Go** Une configuration avancée pour une création toujours efficace

**Stockage à grande vitesse**

NVMe SSD 1800MB/S  
SATA 3.0 SSD 420MB/S **328.6%** ↑  
Vitesse de lecture

NVMe SSD 1100MB/S  
SATA 3.0 SSD 350MB/S **214.3%** ↑  
Vitesse d'écriture

**Mémoire double canal**

Support Dual-channel **16GB** DDR4 Memory  
Support to **64GB** Memory

Dual-channel DDR4 51.2GB/S  
Single Channel DDR4 25.6GB/S **100%** ↑  
Bande passante

Image: Triple display setup with the BMAX Mini PC.

## 5.3 Wireless Connectivity

- **Wi-Fi:** To connect to a Wi-Fi network, click the network icon in the Windows taskbar, select your desired network, and enter the password.
- **Bluetooth:** To pair Bluetooth devices, go to Windows Settings > Bluetooth & devices, and follow the

instructions to add a new device.

## Système de refroidissement de capsule spatiale haute résistance

### Dissipation thermique rapide

**Caloduc double en cuivre élargi**

**Ventilateur turbo intelligent géant**

**Conception de refroidissement par couvercle supérieur**

**Conception d'orifices de dissipation thermique efficaces**

**Améliorez complètement la consommation d'énergie et les performances**

<b>↑ 15%-25%</b>	Système de refroidissement de la capsule spatiale	<b>35W</b>
Par rapport aux radiateurs ordinaires, les performances sont améliorées de	Radiateur ordinaire	20W

Image: Wi-Fi 6 and Bluetooth 5.2 connectivity features.

## 6. SYSTEM RECOVERY

The BMAX Mini PC includes a Smart Recovery environment to restore your system to factory settings. This process will erase all personal data.

1. Ensure the Mini PC is connected to a power source.
2. Access the Smart Recovery environment (specific key press during boot-up may vary, refer to on-screen prompts or contact support).
3. Select "Factory Reset" and follow the instructions.



Image: BMAX Smart Recovery interface.

## 7. MAINTENANCE

### 7.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the Mini PC.
- For dust accumulation in vents, use compressed air. Ensure the device is powered off before cleaning.
- Avoid using liquid cleaners directly on the device.

### 7.2 Storage Expansion

The Mini PC supports storage expansion:

- The 512GB M.2 2280 PCIe 4.0 x 4 SSD can be upgraded to a maximum of 2TB.
- Consult a qualified technician for storage upgrades to avoid damaging the device.

### 7.3 RAM Expansion

The Mini PC's RAM can be expanded:

- It comes with 16GB DDR4 SO-DIMM RAM (16GB x 2).
- Each slot supports up to 32GB DDR4 RAM, allowing for a total of 64GB dual-channel RAM.
- Consult a qualified technician for RAM upgrades.

## 8. SPECIFICATIONS

Feature	Detail
Brand	BMAX
Model Name	B7A Pro
Processor	AMD Ryzen 5 7430U (6 Cores, 12 Threads, up to 4.3 GHz)
Graphics Coprocessor	AMD Radeon Graphics (Integrated)
Installed RAM	16 GB DDR4 SO-DIMM (2 slots, expandable to 64 GB)
Memory Speed	3200 MHz
Storage	512 GB M.2 2280 PCIe 4.0 x 4 SSD (expandable to 2 TB)
Operating System	Windows 11 Pro, Linux
Video Output	HDMI 2.1, DisplayPort 1.4, USB-C (Supports 4K@60Hz Triple Display)

Connectivity	Wi-Fi 6 (802.11 a/b/g/n/ac), Bluetooth 5.2, Ethernet
USB Ports	2x USB 3.2, 2x USB 2.0, 1x USB-C (full-featured)
Audio Output	3.5mm Headphone Jack
Cooling Method	Smart Fan
Power Consumption	45 Watt
Dimensions	12.6 x 11.2 x 5.2 cm
Weight	410 Grams
Color	Black

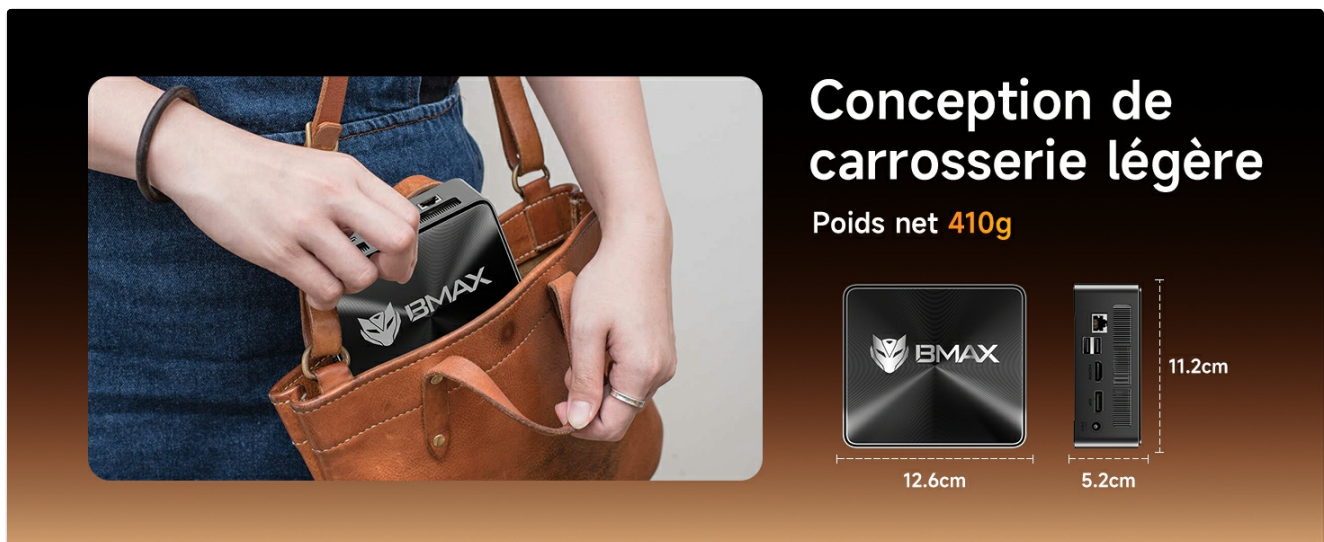


Image: Dimensions and lightweight design of the Mini PC.

## 9. TROUBLESHOOTING

If you encounter issues with your BMAX B7A Pro Mini PC, consider the following general troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
- **No Display:** Verify that the monitor is powered on and correctly connected to the Mini PC's video output port. Try a different cable or monitor if possible. Ensure the correct input source is selected on your monitor.
- **Peripheral Not Working:** Check USB connections. Try connecting the peripheral to a different USB port. Ensure drivers are installed if required.
- **Slow Performance:** Close unnecessary applications. Check for background processes consuming resources. Ensure the system is up-to-date.
- **Network Issues:** For Wi-Fi, ensure you are connected to the correct network and have entered the password correctly. For Ethernet, check cable connections and router status.
- **System Instability:** Consider running a system diagnostic or performing a Smart Recovery (see Section 6).

For more complex issues, refer to the Warranty and Support section.

## 10. WARRANTY AND SUPPORT

BMAX offers a 12-month limited warranty for each Mini PC, effective from the date of purchase. This warranty

covers design and manufacturing defects.

## 10.1 Customer Support

For technical assistance, updates, or troubleshooting, you can contact BMAX's certified engineers. You can also utilize Amazon's support channels:

- Navigate to "Your Account" on Amazon.
- Go to "Your Orders."
- Locate your BMAX Mini PC order and select "Ask a question about the product."



Image: BMAX After-Sales Support details.

## 10.2 Returns and Exchanges

BMAX offers a free return or exchange within 30 days of purchase. Your satisfaction is a priority.



Image: Customer satisfaction and support information.