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> BOSGAME P3 Mix Mini PC User Manual

BOSGAME P3

BOSGAME P3 Mix Mini PC User Manual

Model: P3

1. INTRODUCTION

Thank you for choosing the BOSGAME P3 Mix Mini PC. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new mini PC. Please read it carefully before use and retain it for future reference.

2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- 1x P3 MIX Mini PC
- 1x HDMI Cable
- 1x VESA Mount & Screws
- 1x Power Adapter
- 1x User Manual

WHAT'S IN THE BOX



Figure 2.1: Package Contents

This image displays the BOSGAME P3 Mix Mini PC and its included accessories: an HDMI cable, a power adapter, the mini PC unit, a user manual, and a VESA mount with screws for installation.

3. PRODUCT OVERVIEW

The BOSGAME P3 Mix Mini PC is a compact desktop computer designed for various applications, from home office tasks

to gaming and 4K video editing. It features a powerful AMD Ryzen 7640HS processor and Radeon 760M graphics.



Figure 3.1: Key Features Overview

This image highlights the core specifications of the mini PC, including its AMD Ryzen 5 7640HS processor, AMD Radeon 760M GPU, 16GB DDR5 RAM, 512GB M.2 PCIe 3.0 x4 SSD, support for 8K 60Hz display, USB-4 (40Gbps) connectivity, Wi-Fi 6E AX210, and Bluetooth 5.2.



Figure 3.2: Multiple Ports

This diagram illustrates the various input/output ports available on the mini PC, including power input, dual 2.5G LAN, HDMI, DisplayPort, USB 2.0, USB 4, USB 3.2 ports, and a 3.5mm audio jack.

Your browser does not support the video tag.

Video 3.1: BOSGAME Ryzen 5 7640HS MINI PC Overview. This video provides a visual overview of the BOSGAME P3 Mix Mini PC, showcasing its compact design, internal components, port layout, and connectivity features.

4. SETUP INSTRUCTIONS

4.1 Connecting the Power Adapter

1. Connect the power adapter cable to the DC 19V 6.3 port on the rear of the mini PC.
2. Plug the power adapter into a wall outlet.

4.2 Connecting to a Display

The P3 Mix Mini PC supports triple display output via HDMI, DisplayPort, and USB4.

1. Connect one end of an HDMI cable to the HDMI port on the mini PC and the other end to your monitor.
2. For additional displays, connect a DisplayPort cable to the DP port and/or a USB4 cable to the USB4 port, then connect to your respective monitors.
3. Ensure your monitors are powered on and set to the correct input source.



Figure 4.1: Triple Display Setup

This image demonstrates how to set up a triple display configuration with the mini PC, utilizing the DP 1.4, HDMI 2.0, and USB4 ports to connect to multiple monitors.

4.3 Connecting Peripherals

1. Connect your USB keyboard and mouse to any available USB ports (USB 2.0, USB 3.2).
2. For wired network access, connect an Ethernet cable to one of the 2.5G LAN ports.
3. For audio output, connect speakers or headphones to the 3.5mm audio jack.

4.4 Initial Power On

1. After connecting all necessary cables, press the power button located on the front of the mini PC.
2. The system will boot up, and you should see the operating system on your connected display(s).

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **To Power On:** Press the power button once.
- **To Shut Down:** From the operating system, select 'Shut Down'. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).

- **To Restart:** From the operating system, select 'Restart'.

5.2 Network Connectivity

- **Wired Connection:** Connect an Ethernet cable to one of the two 2.5G LAN ports. The system will automatically detect the connection.
- **Wireless Connection (Wi-Fi 6E):** Navigate to your operating system's network settings, select the desired Wi-Fi network, and enter the password.

5.3 Bluetooth Connectivity

The mini PC supports Bluetooth 5.2 for connecting wireless peripherals.

1. Ensure your Bluetooth device is in pairing mode.
2. On your mini PC, go to the operating system's Bluetooth settings.
3. Search for and select your device to pair.

6. MAINTENANCE AND UPGRADES

6.1 RAM and SSD Upgrades

The BOSGAME P3 Mix Mini PC allows for easy upgrades of its DDR5 RAM and M.2 PCIe SSD. Always power off and unplug the device before performing any internal maintenance.



Figure 6.1: RAM and SSD Replacement Guide

This image provides a visual guide for upgrading the RAM and SSD. The process involves removing screws, carefully opening the base plate, repositioning the system fan, and then replacing the memory modules and SSD.

1. **Power Off and Unplug:** Ensure the mini PC is completely powered off and disconnected from the power source.
2. **Remove Screws:** Locate and remove the screws securing the bottom panel.
3. **Open Base Plate:** Carefully open the base plate to access the internal components.
4. **Access Components:** You may need to gently move the system fan or other components to gain full access to the RAM and SSD slots.
5. **Replace RAM/SSD:** Install new DDR5 SO-DIMM RAM modules into the dual channel slots (up to 64GB supported) or a new M.2 2280 NVMe PCIe 3.0 SSD (up to 4TB per slot, 8TB total capacity).
6. **Reassemble:** Carefully reassemble the mini PC, ensuring all connections are secure and screws are tightened.

6.2 Cleaning

- Regularly clean the exterior of the mini PC with a soft, dry cloth.
- Use compressed air to clear dust from ventilation grilles to ensure optimal airflow and prevent overheating. Do not insert objects into the vents.

7. TROUBLESHOOTING

7.1 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 by plugging in another device.
- Try a different power adapter if available and compatible.

7.2 No Display Output

- Check all display cable connections (HDMI, DP, USB4) between the mini PC and the monitor(s).
- Ensure the monitor(s) are powered on and set to the correct input source.
- Try connecting to a single monitor using a different cable or port.
- If you recently reinstalled the operating system, ensure all display drivers are correctly installed. Some users have reported needing specific drivers from the manufacturer for optimal display performance.

7.3 Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Verify your router/modem is working correctly.
- **Wireless:** Ensure Wi-Fi is enabled in your operating system settings. Re-enter the Wi-Fi password. Restart your router/modem.

7.4 Performance Issues

- Close unnecessary applications running in the background.
- Ensure the mini PC has adequate ventilation and is not overheating.
- Check for operating system updates and driver updates.
- Verify that the RAM and SSD are properly seated if you have performed an upgrade.

8. SPECIFICATIONS

Feature	Specification
Brand	BOSGAME
Model Name	P3
CPU Model	AMD Ryzen 5 7640HS (6C/12T, up to 5.0 GHz)
Graphics Coprocessor	Radeon 760M (Integrated)
RAM Memory	16GB DDR5 4800MHz (2x8GB), Max 64GB
Memory Storage Capacity	512GB PCIe 3.0 SSD (M.2 2280), Max 8TB (2x4TB)
Operating System	OS11 Support Win/Ubuntu/Linux
Video Output Interface	HDMI 2.0, DisplayPort 1.4, USB4 (8K@60Hz)

Feature	Specification
Connectivity Technology	Dual 2.5G LAN, Wi-Fi 6E (802.11ax), Bluetooth 5.2
USB Ports	3x USB 3.2 (10Gbps), 1x USB 4 (40Gbps), 2x USB 2.0 (480Mbps)
Audio Output	3.5mm Audio Jack
Item Weight	1.26 Kilograms
Power Plug Type	Type A - 2 pin (North American)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

BOSGAME offers a 1-year limited warranty for the P3 Mix Mini PC. This warranty covers manufacturing defects and ensures product quality.

9.2 Customer Support

For any product-related inquiries, technical assistance, or warranty claims, please contact BOSGAME customer support. You can reach out via the following methods:

- **Email:** Qingzhuomao@163.com
- **Online:** Visit the BOSGAME store on Amazon or their official website for FAQs and support resources.

A professional after-sales team is available to assist you with your needs.