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BOSGAME P4

BOSGAME P4 Light Gaming Mini PC User Manual

Model: P4

Introduction | What's in the Box | Setup Guide | Operating Instructions | Maintenance
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1. Introduction

This user manual provides detailed instructions for the BOSGAME P4 Light Gaming Mini PC. The P4 is a compact and powerful desktop computer equipped with an AMD Ryzen 7 5825U processor, 32GB of RAM, and a 1TB SSD, designed for a range of applications from light gaming and multimedia to professional design tasks and home server use. It supports triple 4K 60Hz displays and features advanced connectivity options including WiFi 6E and dual 2.5GbE LAN ports.



Figure 1: Front and side view of the BOSGAME P4 Mini PC, showcasing its compact design and various ports.

2. What's in the Box

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

- BOSGAME P4 Mini PC (Ryzen 7 5825U)
- User Manual
- HDMI 2.0 Cable
- 19V 3.42A, 65W Power Adapter
- VESA Mount & Screws

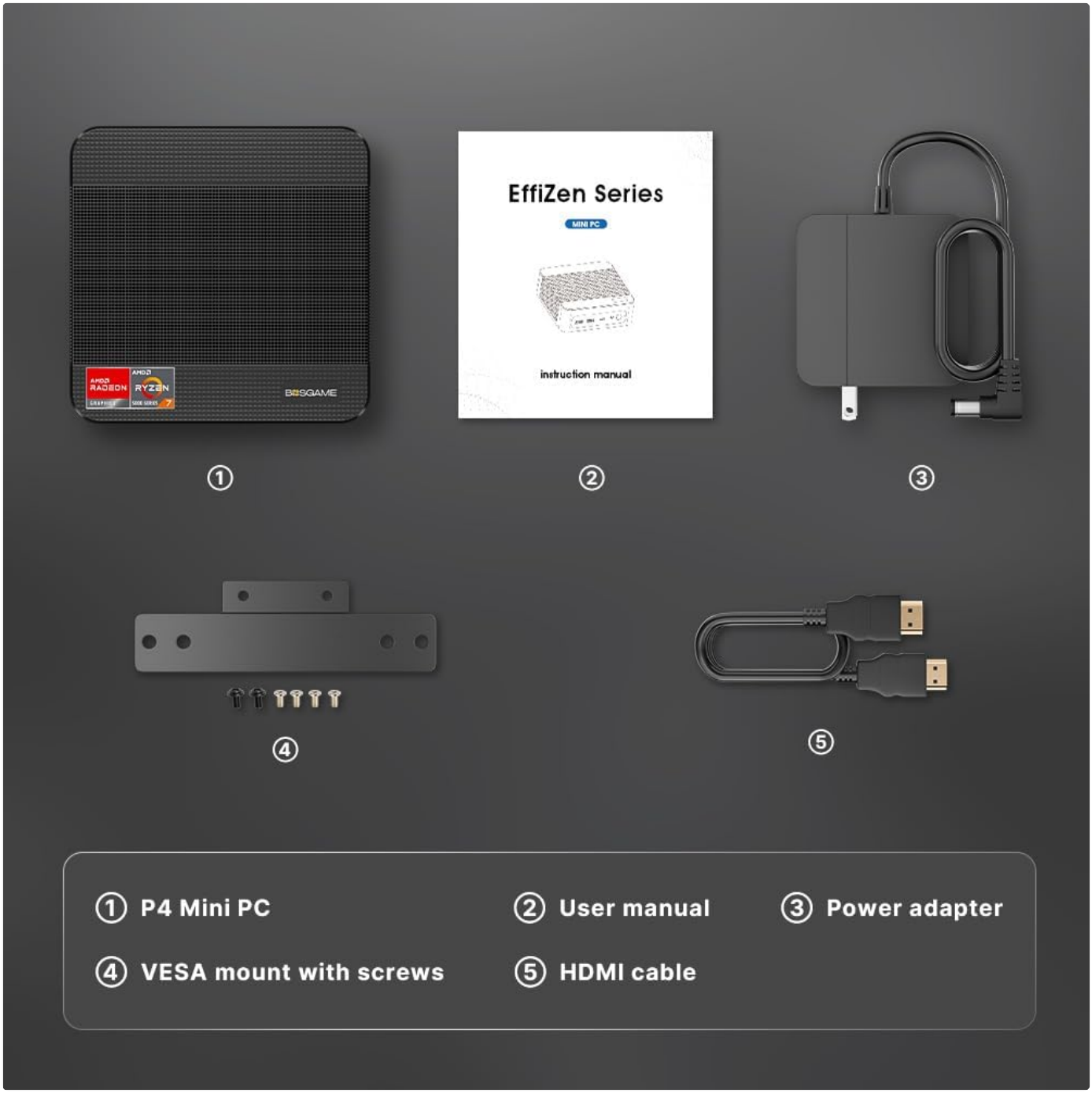


Figure 2: Illustration of the package contents, including the mini PC, user manual, power adapter, VESA mount, and HDMI cable.

3. Setup Guide

Follow these steps to set up your BOSGAME P4 Mini PC:

1. **Connect to a Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The P4 supports triple display output via HDMI 2.0, DisplayPort, and Type-C, all capable of 4K@60Hz.
2. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB 3.0 or USB 2.0 ports.
3. **Connect to Power:** Plug the power adapter into the DC-in port on the Mini PC, then plug the adapter into a power outlet.
4. **Network Connection:**
    - **Wired:** Connect an Ethernet cable to one of the dual 2.5GbE LAN ports for a stable wired network connection.
    - **Wireless:** The Mini PC comes with WiFi 6E and Bluetooth 5.2. Once powered on, you can configure wireless

network settings within the operating system.

5. **Power On:** Press the power button located on the front of the Mini PC.
6. **Initial Boot:** The system will boot into the pre-installed operating system (e.g., Windows 11 Pro). Follow the on-screen instructions for initial setup, including language, region, and user account creation.



Figure 3: Detailed view of the Mini PC's front (USB 3.2, Type-C, Audio Jack, Power) and rear (DC, 2.5G RJ45 LAN, HDMI, DP, USB 2.0) interfaces.

4. Operating Instructions

4.1. Display Configuration

The BOSGAME P4 supports up to three independent 4K@60Hz displays simultaneously. Connect your monitors to the HDMI 2.0, DisplayPort (DP), and Type-C ports. Once connected, you can configure display settings within your operating system (e.g., Windows Display Settings) to extend, duplicate, or show only one screen.



Figure 4: The Mini PC demonstrating its capability to support a triple monitor setup for enhanced productivity and entertainment.

4.2. Storage Expansion

The P4 Mini PC comes with a 1TB PCIe 3.0x4 SSD. It features dual NVMe M.2 2280 SSD slots, allowing for additional storage expansion. The DDR4 SO-DIMM memory (32GB, 16GBx2) is expandable up to 64GB. For storage upgrades, consult a qualified technician or refer to detailed hardware upgrade guides.



Figure 5: Internal layout of the Mini PC, highlighting the dual DDR4 SO-DIMM slots and M.2 NVMe SSD slots for memory and storage expansion.

4.3. Operating System Compatibility

The BOSGAME P4 supports various operating systems, including Windows 11 Pro, Windows 10, and various Linux distributions such as Ubuntu. Users can install their preferred operating system based on their requirements.



Figure 6: Visual representation of the Mini PC's compatibility with multiple operating systems, including Windows, Linux, and Ubuntu.

5. Maintenance

To ensure optimal performance and longevity of your BOSGAME P4 Mini PC, follow these maintenance guidelines:

- **Keep it Clean:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation openings are not blocked. The P4 features an efficient heat dissipation system. Keep the area around the Mini PC clear to allow for proper airflow.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions to ensure stability and security.
- **Dust Removal:** Periodically, and if comfortable, you may carefully use compressed air to clear dust from the vents. Do not open the casing unless performing a hardware upgrade and are familiar with the process.
- **Power Management:** Use the provided power adapter. Avoid frequent power interruptions.



Figure 7: Diagram illustrating the efficient heat dissipation design of the Mini PC, showing airflow paths for optimal cooling.

6. Troubleshooting

This section addresses common issues you might encounter with your BOSGAME P4 Mini PC.

Problem	Possible Cause	Solution
No power/System does not turn on.	Power adapter not connected properly; Power outlet issue; Faulty power adapter.	Ensure power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet.
No display output.	Display cable loose or incorrect port; Monitor off or on wrong input; Driver issue.	Check HDMI/DP/Type-C cable connections. Ensure monitor is on and set to the correct input source. Reinstall or update graphics drivers.

Problem	Possible Cause	Solution
No internet connection (wired).	Ethernet cable loose; Router/modem issue; Network driver issue.	Ensure Ethernet cable is securely connected. Restart your router/modem. Check network adapter settings in OS.
No internet connection (wireless).	WiFi disabled; Incorrect password; Router issue; WiFi driver issue.	Ensure WiFi is enabled in OS. Verify WiFi password. Restart router. Update WiFi drivers.
System slow or unresponsive.	Too many applications running; Low disk space; Overheating; Malware.	Close unnecessary applications. Free up disk space. Ensure proper ventilation. Run antivirus scan.

7. Specifications

Key technical specifications for the BOSGAME P4 Light Gaming Mini PC:

Feature	Detail
Processor	AMD Ryzen 7 5825U (8 Cores, 16 Threads, up to 4.5GHz)
Graphics	AMD Radeon Graphics 8Cores 1900MHz (Integrated)
RAM	32GB DDR4 SO-DIMM (16GBx2), expandable up to 64GB
Storage	1TB PCIe 3.0x4 NVMe M.2 SSD (Dual M.2 2280 slots)
Display Output	HDMI 2.0 (4K@60Hz), DisplayPort (4K@60Hz), Type-C (4K@60Hz) - Supports Triple Displays
Network	Dual 2.5GbE RJ45 LAN, WiFi 6E (2.4GHz, 5GHz, 6GHz), Bluetooth 5.2
USB Ports	2x USB 3.0, 2x USB 2.0, 1x Type-C (PD 3.0 up to 100W)
Audio	Audio Jack
Operating System	Supports Windows 11 Pro, Windows 10, various Linux systems (e.g., Ubuntu)
Dimensions	6.5 x 6.42 x 4.21 inches (Package Dimensions)
Weight	2.2 pounds (Item Weight)

8. Warranty and Support

BOSGAME provides reliable after-sales service for the P4 Mini PC. All products are FCC, ROHS, and CE certified.

- **Warranty Period:** 3 years of professional factory support.
- **Customer Service:** 24/7 online customer service is available for assistance.
- **Contact Information:** For support inquiries, please refer to the contact details provided on the official BOSGAME website or the support information included with your product packaging.

For the most up-to-date support resources and FAQs, please visit the BOSGAME official support page.

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