

BOSGAME P3Lite

BOSGAME P3 Lite Mini Gaming PC User Manual

Model: P3 Lite (R7 6800H 32GB+1TB)

1. INTRODUCTION

The BOSGAME P3 Lite Mini Gaming PC is a compact and powerful desktop computer designed for a wide range of applications, from high-performance gaming and creative workloads to everyday multitasking. Equipped with an AMD Ryzen 7 6800H processor, integrated AMD Radeon 680M graphics, and high-speed memory and storage, this mini PC offers robust performance in a small form factor. Its versatile connectivity options, including triple display support and dual 2.5G Ethernet ports, make it suitable for various professional and personal environments.



Image 1.1: The BOSGAME P3 Lite Mini Gaming PC, showcasing its compact design and various ports.

2. WHAT'S IN THE BOX

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

- 1x BOSGAME P3 Lite mini PC

- 1x Mini Computer User Guide
- 1x VESA Mount
- 1x Power Adapter
- 1x HDMI Cable

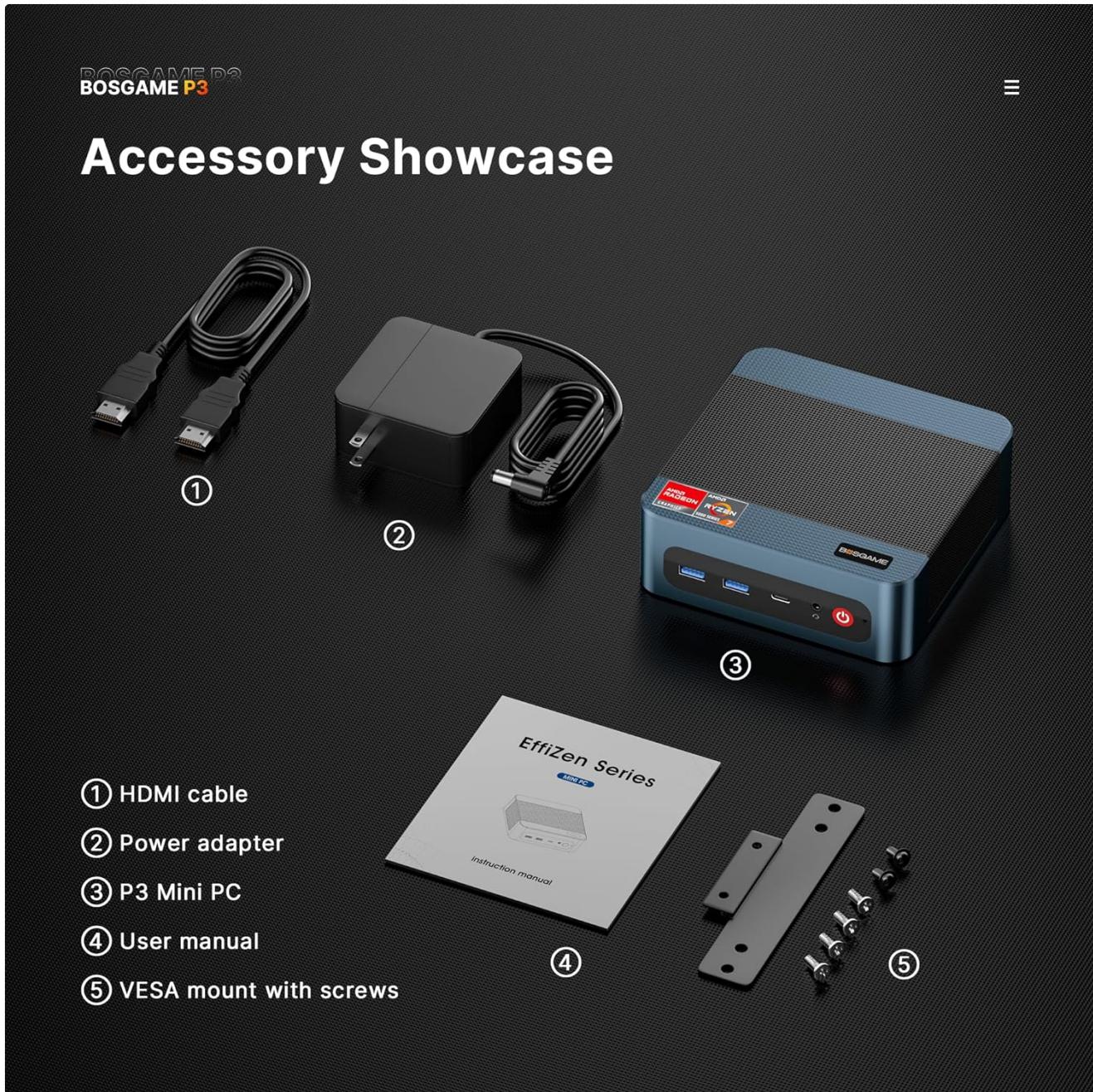


Image 2.1: All accessories included with the BOSGAME P3 Lite Mini PC, including the HDMI cable, power adapter, mini PC unit, user manual, and VESA mount with screws.

3. SPECIFICATIONS

Detailed technical specifications for the BOSGAME P3 Lite Mini Gaming PC.

Feature	Specification
Processor	AMD Ryzen 7 6800H (8 Cores, 16 Threads, 3.2GHz base, up to 4.7GHz boost)
Graphics	Integrated AMD Radeon 680M (RDNA 2 architecture)

Feature	Specification
RAM	32GB DDR5 (12GBx Dual Channel, 4800MHz)
Storage	1TB PCIe 4.0 M.2 NVMe SSD
Operating System	Support Win/Ubuntu/Linux
Display Output	HDMI 2.0, DP, USB4.0 (Supports Triple Display at 4K@60Hz)
Networking	Dual 2.5G RJ45 LAN ports, Wi-Fi 6E (802.11ax), Bluetooth 5.2
USB Ports	1x USB 2.0, 3x USB 3.0 (USB3.2 Gen2 10Gbps*2, USB3.2 Gen2 10Gbps*1), 1x USB4.0 (40Gbps)
Audio	Audio Jack
Dimensions	9.13 x 5.67 x 2.64 inches (Package)
Weight	2.64 pounds (Item)

BOSGAME D3 **BOSGAME P3** ≡

AMD Ryzen 7 6800H

8Cores 16Threads,
Max. Boost Clock Up to 4.7GHz



DDR5 4800MHz SODIMM M.2 NVMe 2280 PCIe 4.0 SSD

Support Triple Screen Display

HDMI2.0 *1 (4K@60Hz)+DP *1 (4K@60Hz)
USB4 *1 (8K@60Hz)



AMD Radeon Graphics

Graphics Frequency: 2000 MHz



Wi-Fi 6E



Bluetooth 5.2



2.5G RJ45 LAN*2

Image 3.1: An overview of the BOSGAME P3 Lite's key features, including processor, memory, storage, graphics, and connectivity.

4. SETUP GUIDE

Follow these steps to set up your BOSGAME P3 Lite Mini Gaming PC.

1. **Unpacking:** Carefully remove the mini PC and all accessories from the packaging.
2. **Connect Peripherals:**
 - Connect your monitor(s) to the HDMI, DisplayPort (DP), or USB4.0 ports using appropriate cables. The device supports up to three displays simultaneously.
 - Connect your keyboard and mouse to the available USB ports.
 - If using a wired network connection, connect an Ethernet cable to one of the 2.5G RJ45 LAN ports.
3. **Power Connection:** Connect the power adapter to the DC-in port on the mini PC, then plug the power adapter into a wall outlet.
4. **Initial Boot:** Press the power button located on the front of the mini PC. The system will begin to boot up. Follow the on-screen instructions to complete the operating system setup (e.g., Windows, Ubuntu, Linux).



Image 4.1: The BOSGAME P3 Lite Mini PC set up on a desk, connected to a monitor, demonstrating its compact footprint.

5. OPERATING INSTRUCTIONS

Basic operational guidelines for your mini PC.

- **Power On/Off:** Press the power button once to turn on the device. To shut down, use the operating system's shutdown function. A short press of the power button can also put the system to sleep.
- **Display Configuration:** For triple display setup, connect up to three monitors to the HDMI, DP, and USB4.0 ports. Configure display settings within your operating system (e.g., Windows Display Settings) to extend or duplicate your desktop.
- **Network Connection:**
 - **Wired:** Ensure an Ethernet cable is connected to a 2.5G LAN port. The system will automatically detect the

connection.

- **Wireless (Wi-Fi 6E):** Access your operating system's network settings, select your Wi-Fi network, and enter the password to connect.
- **USB Device Usage:** Connect USB devices such as external hard drives, flash drives, or other peripherals to the available USB 2.0, USB 3.0, or USB4.0 ports.



Image 5.1: The BOSGAME P3 Lite Mini PC supporting a triple monitor setup, ideal for multitasking and immersive experiences.

6. PERFORMANCE OVERVIEW

The BOSGAME P3 Lite is engineered for high performance across various demanding tasks.

- **Processor:** The AMD Ryzen 7 6800H processor, with its 8 cores and 16 threads, provides desktop-grade performance, handling multitasking, high-performance gaming, and demanding creative workloads efficiently.
- **Graphics:** Featuring integrated AMD Radeon 680M graphics based on RDNA 2 architecture, the mini PC supports smooth 1080p gameplay, light 3D rendering, and high-resolution video playback.
- **Memory and Storage:** With 32GB of DDR5 4800MHz RAM and a 1TB PCIe 4.0 M.2 NVMe SSD, the system ensures lightning-fast data access, reduced latency, and enhanced overall responsiveness for both daily tasks and heavy workloads.

AMD Ryzen 7 6800H Processor

8 C 16 T

16MB L3 Cache

4.70 GHz

Max. Boost Clock

45 W

Default TDP

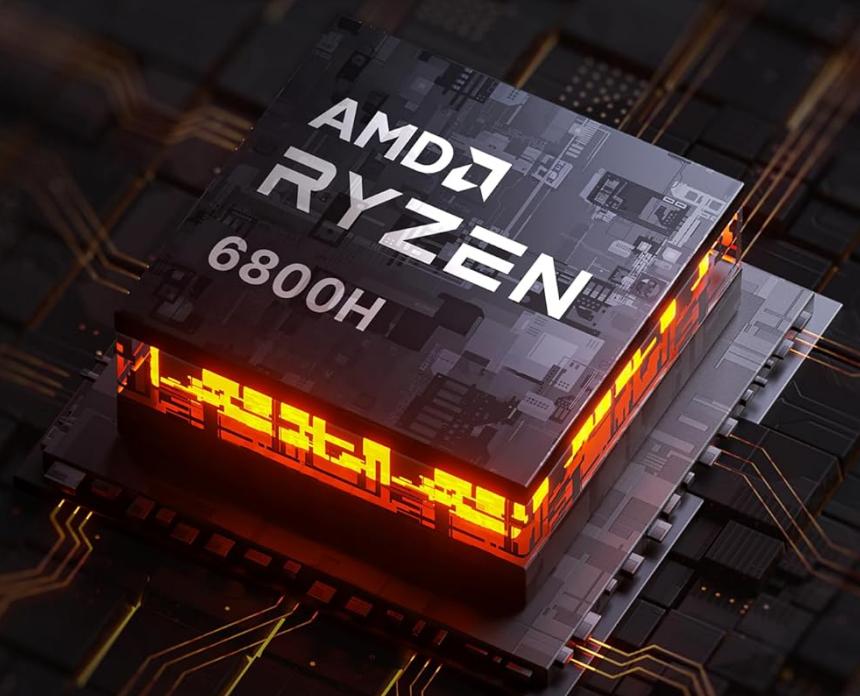


Image 6.1: Close-up of the AMD Ryzen 7 6800H processor, highlighting its core count, thread count, L3 cache, max boost clock, and default TDP.



Image 6.2: Visual representation of the DDR5 SODIMM memory modules and the M.2 NVMe PCIe 4.0 SSD, emphasizing high-speed data handling.

7. CONNECTIVITY

The P3 Lite offers extensive connectivity options for various applications.

- **Triple Display Support:** The combination of USB4.0 (40Gbps), HDMI 2.0, and DP interfaces allows for simultaneous connection of up to three displays, all supporting 4K resolution at 60Hz. The USB4.0 port also offers seamless compatibility with Thunderbolt 3 devices.
- **Dual 2.5G Ethernet:** Equipped with two 2.5G RJ45 LAN ports, the mini PC provides network speeds up to 2.5Gbps, significantly faster than traditional Gigabit Ethernet. This is ideal for setting up soft routers, NAS (Network Attached Storage), or home servers, supporting high-bandwidth requirements for media centers or small office networks.
- **Wireless Connectivity:** Integrated Wi-Fi 6E ensures fast and reliable wireless internet access, while Bluetooth 5.2 allows for seamless connection to wireless peripherals like headphones, keyboards, and mice.

Rich interfaces for more possibilities

Equipped with rich interfaces, it is easy to expand various scenarios and meet daily applications.



USB3.2 Gen2 10Gbps*2

USB4 8K@60Hz

Audio Jack

Power

DC

RJ45 2.5G LAN*2

HDMI 4K@60Hz

DP 4K@60Hz

USB3.2 Gen2 10Gbps

USB2.0 480Mbps

Image 7.1: Detailed view of the rich interfaces on the BOSGAME P3 Lite, including front USB ports, audio jack, power button, and rear DC-in, LAN, DP, HDMI, and additional USB ports.

Dual 2.5G Ethernet ports

Network transmission rate up to 2.5Gbps, high-speed transmission without waiting



Image 7.2: Illustration of the dual 2.5G Ethernet ports, emphasizing high-speed network transmission capabilities.

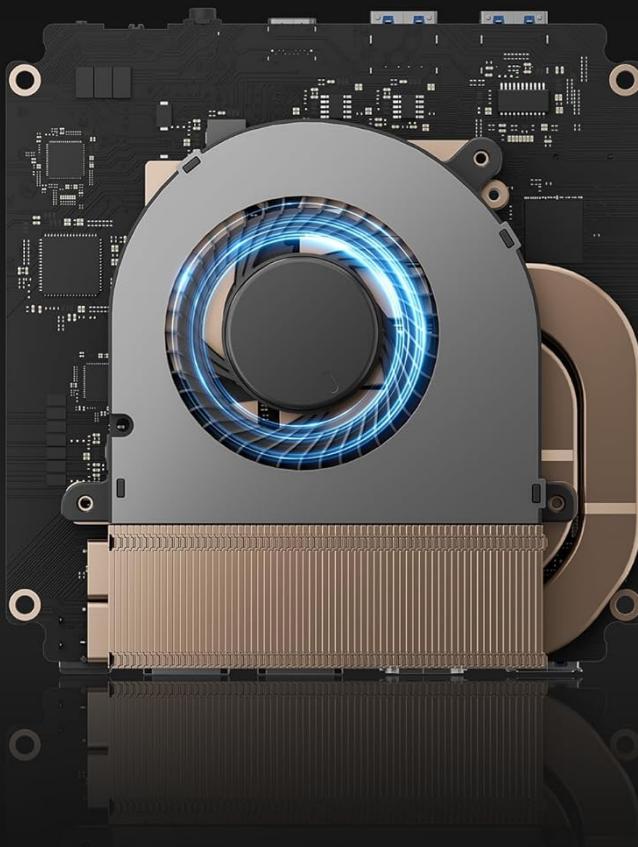
8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your mini PC.

- **Cleaning:** Regularly clean the exterior of the mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation grilles to ensure proper airflow and heat dissipation. Do not use liquid cleaners directly on the device.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions. This improves system stability, security, and performance.
- **Environmental Conditions:** Operate the mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture. Ensure there is adequate space around the device for airflow.

Highly efficient heat dissipation

Efficient and stable heat dissipation system, quiet operation



Cooling Fan



Heat Conduits

Image 8.1: Internal view of the BOSGAME P3 Lite's cooling system, showing the cooling fan and heat conduits designed for efficient and stable heat dissipation.

9. TROUBLESHOOTING

Common issues and their potential solutions.

Problem	Possible Solution
No display on monitor	Ensure the monitor is powered on and correctly connected to the mini PC. Try a different display cable or port. Verify the monitor input source is set correctly.
System does not power on	Check if the power adapter is securely connected to both the mini PC and the power outlet. Ensure the power outlet is functional.

Problem	Possible Solution
No network connection	For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure Wi-Fi is enabled in the operating system and you are connected to the correct network with the correct password. Restart your router.
Slow performance	Close unnecessary applications. Check for background processes consuming high resources. Ensure sufficient free storage space. Update drivers and operating system.
USB devices not recognized	Try connecting the device to a different USB port. Ensure device drivers are installed. Restart the mini PC.

10. WARRANTY AND SUPPORT

BOSGAME is committed to providing excellent customer service and support.

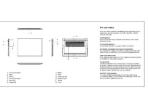
- **Warranty:** All BOSGAME mini PCs come with a 1-year limited warranty.
- **After-Sales Support:** 24/7 after-sales support is available for any usage or technical issues.
- **Contact Information:** For professional assistance, please visit the BOSGAME official website's technical support page or contact support directly.



Image 10.1: Information on how to get help, including logging into your Amazon account, contacting support via email, and visiting the official BOSGAME website.

Your satisfaction is our priority. For further assistance, please refer to the contact details provided in the product packaging or on the official BOSGAME website: www.bosgamepc.com.

Related Documents

	<p>Bosgame EffiZen Series AS1 Mini PC Instruction Manual</p> <p>Official instruction manual for the Bosgame EffiZen Series AS1 Mini PC, detailing setup, hardware installation (SSD, RAM), VESA mounting, usage guidelines, and support resources.</p>
	<p>Bosgame EffiZen Series C1 Mini PC Instruction Manual</p> <p>Comprehensive instruction manual for the Bosgame EffiZen Series C1 Mini PC, covering setup, usage, maintenance, and support.</p>
	<p>BOSGAME MGI i5 12500H PRO Product and Safety Information</p> <p>Comprehensive product and safety information for the BOSGAME MGI i5 12500H PRO mini PC, including setup, connectivity, safety guidelines, and FCC compliance details.</p>
	<p>Mini PC FCC and RSS Compliance Test Report</p> <p>Comprehensive test report detailing the compliance of BOSGAME Mini PC models P2, B95, B100, B200, B300, B305, P1-P7, E1-E7, M6M1, M2-M5 with FCC Part 15 Subpart E and RSS-Gen/RSS-247 standards for wireless communication, including conducted emissions, output power, bandwidth, and spectral density measurements.</p>