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› [BOSGAME P4 Plus Mini PC User Manual - AMD Ryzen 7 5825U, 32GB RAM, 1TB SSD](#)

BOSGAME P4

BOSGAME P4 Plus Mini PC User Manual

Model: P4 Plus

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your BOSGAME P4 Plus Mini PC. Please read it thoroughly before using the device to ensure optimal performance and longevity.



Figure 1: BOSGAME P4 Plus Mini PC, showcasing its compact design and available ports.

2. PACKAGE CONTENTS

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

- 1x BOSGAME P4 Plus Mini PC
- 1x Power Adapter
- 1x HDMI Cable
- 1x VESA Mount and Screws
- 1x User Manual



Figure 2: All accessories included with your BOSGAME P4 Plus Mini PC.

3. PRODUCT OVERVIEW

3.1. Key Features

- **Processor:** AMD Ryzen 7 5825U (8 Cores, 16 Threads, up to 4.5GHz)
- **Memory:** 32GB DDR4 RAM (Dual Channel, 3200MHz, expandable up to 64GB)
- **Storage:** 1TB M.2 NVMe PCIe SSD (with an additional M.2 NVMe PCIe 3.0 x4 2280 SSD slot for expansion)
- **Networking:** Dual 2.5GbE LAN Ports, Wi-Fi 6E (802.11ax), Bluetooth 5.2

- **Graphics:** Integrated AMD Radeon Graphics (8-core, 2000MHz) with 4K@60Hz video output
- **Display Output:** HDMI, DisplayPort, USB-C for triple display support
- **Operating System:** Supports Windows, Ubuntu, and Linux

3.2. Ports and Connectors

The BOSGAME P4 Plus Mini PC offers a comprehensive set of ports for various connectivity needs:

- **Front:** Power button, Audio Jack, USB-C (full-featured), 2x USB 3.2 ports
- **Rear:** DC Power Input, 2x 2.5G RJ45 LAN ports, HDMI, DisplayPort, 2x USB 2.0 ports



Figure 3: Detailed view of the Mini PC's interfaces for expanded connectivity.

4. SETUP INSTRUCTIONS

4.1. Initial Connection

1. Connect your monitor(s) to the HDMI, DisplayPort, or USB-C video output ports.
2. Connect your keyboard and mouse to the available USB ports.
3. Connect the power adapter to the DC power input port on the Mini PC, then plug it into a power outlet.

4. Press the power button on the front of the Mini PC to turn it on.

4.2. Operating System Setup (Windows 11 Pro)

Upon first boot, the system will guide you through the Windows 11 Pro setup process. Follow the on-screen instructions to select your language, region, keyboard layout, and create a user account. You may choose to connect to a network during this process or proceed with a limited setup.

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Video 1: A guide demonstrating the initial user setup process for Windows 11 Pro on the BOSGAME Mini PC.

4.3. Network Connection

For internet access, you can use either the wired Ethernet ports or the integrated Wi-Fi 6E:

- **Wired:** Connect an Ethernet cable from your router/modem to one of the 2.5GbE LAN ports on the Mini PC.
- **Wireless:** During OS setup or via system settings, select your Wi-Fi network and enter the password.



Figure 4: The dual 2.5Gbps Ethernet ports provide high-speed wired network connectivity.

5. OPERATING INSTRUCTIONS

5.1. Triple Display Setup

The BOSGAME P4 Plus supports connecting up to three displays simultaneously using its HDMI, DisplayPort, and full-featured USB-C ports. This allows for enhanced productivity and immersive viewing experiences.



Figure 5: Example of a triple monitor setup with the Mini PC, ideal for multitasking.

5.2. USB-C Functionality

The full-featured USB-C port supports PD 3.0 power supply, 4K@60Hz video output, and 10Gbps data transmission, offering versatile connectivity for modern peripherals and displays.



Full-featured USB-C

- ⚡ PD 3.0 power supply
- 📺 Supports 4K@60Hz video output
- ➡ 10Gbps data transmission

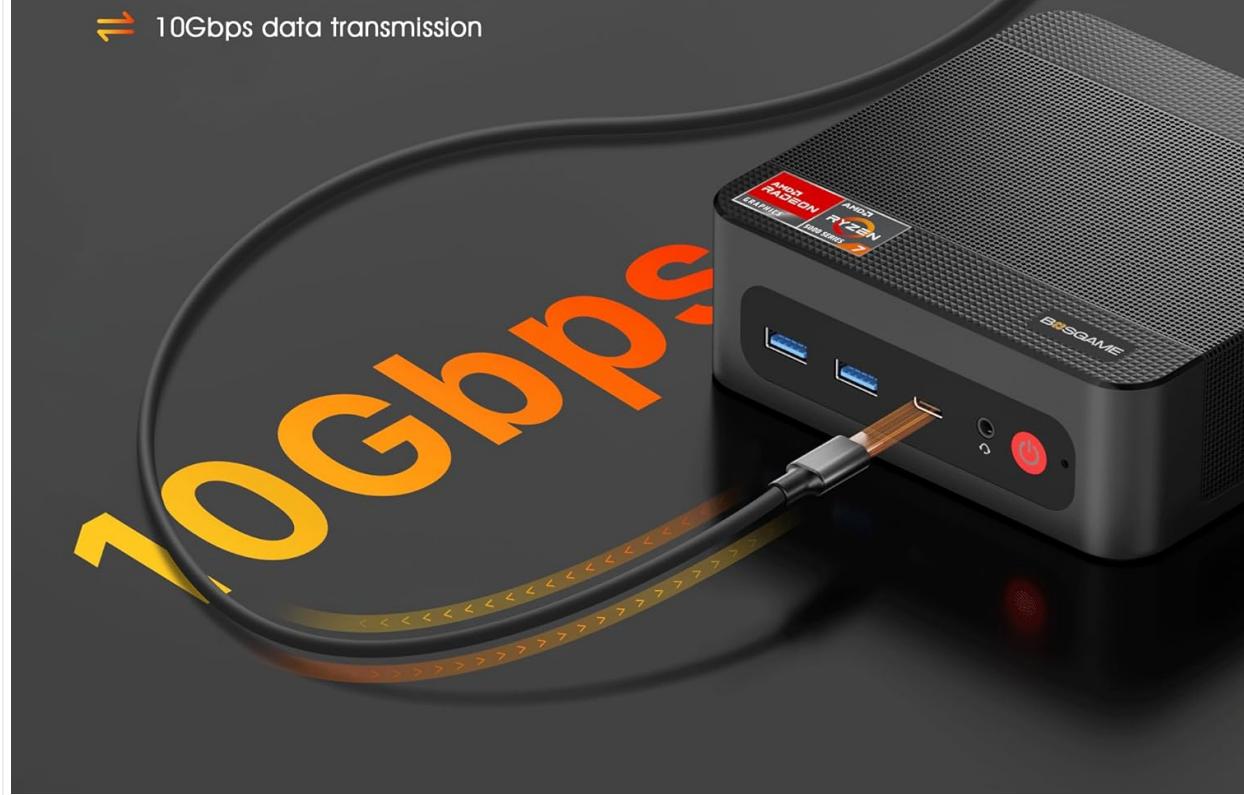


Figure 6: The versatile USB-C port provides power delivery, video output, and high-speed data transfer.

5.3. System Compatibility

The Mini PC is designed to be compatible with various operating systems, including Windows, Ubuntu, and Linux, providing flexibility for different user preferences and applications.

Powerful system compatibility

Smooth running of various software programs



Figure 7: The Mini PC supports multiple operating systems for diverse user needs.

6. MAINTENANCE AND UPGRADES

6.1. RAM and SSD Expansion

The BOSGAME P4 Plus Mini PC allows for easy expansion of its DDR4 RAM up to 64GB and additional M.2 NVMe PCIe 3.0 x4 2280 SSD storage. This enables users to enhance performance and storage capacity as needed.

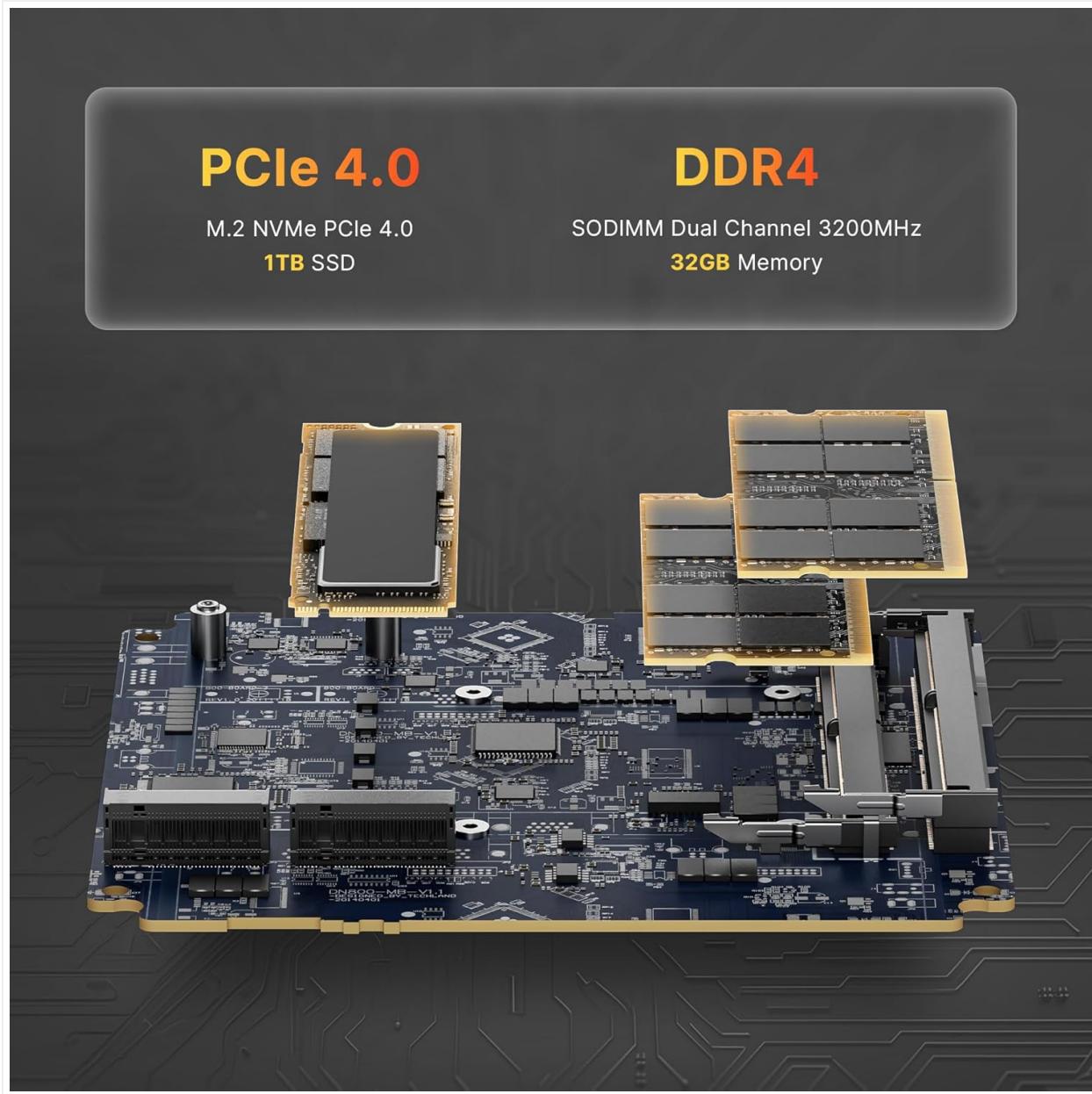


Figure 8: The motherboard with accessible slots for RAM and SSD upgrades.

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Video 2: Instructions on how to install DDR RAM and SSD in BOSGAME P Series Mini PCs.

6.2. Heat Dissipation

The Mini PC features an efficient heat dissipation system to maintain stable performance and quiet operation, even under load.

7. TROUBLESHOOTING

If you encounter issues with your BOSGAME P4 Plus Mini PC, consider the following common solutions:

- No Display/Peripherals:** Ensure all cables (HDMI, DisplayPort, USB) are securely connected. Verify the monitor is powered on and set to the correct input source.
- Overheating/Shutdowns:** Ensure the Mini PC has adequate ventilation and is not obstructed. Clean any dust from the vents. If issues persist, contact support.
- Network Connectivity:** For wired connections, check Ethernet cable integrity. For Wi-Fi, ensure correct password entry and strong signal.

- **Slow Performance:** Close unnecessary applications. Check for background updates. Consider upgrading RAM or SSD if performance remains consistently low for your tasks.

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Video 3: An overview of the BOSGAME P4 Plus Mini PC, which may assist in understanding its features and connections for troubleshooting.

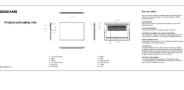
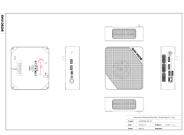
8. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 7 5825U (8 Cores, 16 Threads, 2.0 GHz base, up to 4.5 GHz Turbo Boost)
RAM	32 GB DDR4 (3200 MHz, SODIMM, expandable to 64GB)
Hard Drive	1 TB SSD (M.2 NVMe PCIe x4)
Graphics Coprocessor	AMD Radeon Vega 8 Graphics (Integrated, 2000MHz)
Max Screen Resolution	3840 x 2160 pixels (4K@60Hz)
Wireless Type	802.11ax (Wi-Fi 6E), Bluetooth 5.2
LAN Ports	Dual 2.5GbE RJ45
USB Ports	2x USB 3.0, 2x USB 2.0, 1x Full-featured USB-C
Video Output	HDMI, DisplayPort, USB-C (supports triple display)
Operating System Support	Windows, Ubuntu, Linux
Item Weight	2.42 pounds
Dimensions	6.57 x 6.5 x 4.09 inches (Package)

9. WARRANTY AND SUPPORT

BOSGAME provides a 1-Year Hardware Warranty and offers 30-Day Risk-Free Returns. For technical assistance or any issues, please contact BOSGAME Support. You can reach support via:

- **Amazon:** Log in to your Amazon buyer account, find your order, click "Get Help," and then ask a question.
- **Email:** support@bosgamepc.com (Replies typically within working days).

	<p>BOSGAME H66/H68/H77 Mini PC User Manual and Technical Specifications</p> <p>Official user manual for BOSGAME H66, H68, and H77 mini PCs, detailing technical specifications, safety precautions, connection steps, warranty, and FCC compliance.</p>
	<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>EffiZen Series P2 Mini PC Instruction Manual - Bosgame</p> <p>Official instruction manual for the Bosgame EffiZen Series P2 Mini PC. Learn about setup, usage, maintenance, compliance, and warranty information.</p>
	<p>BOSGAME PTX20 Mini PC Technical Specifications and Overview</p> <p>Detailed technical specifications, dimensions, and operational notes for the BOSGAME PTX20 Mini PC manufactured by Shenzhen Weikesen Electronic Technology Co., Ltd.</p>