BOSGAME P4 Plus

BOSGAME P4 Plus Mini PC User Manual

Model: P4 Plus

1. Introduction

The BOSGAME P4 Plus Mini PC is a compact yet powerful desktop computer designed for various applications, including gaming, office work, and home entertainment. It comes pre-installed with Windows 11 Pro, allowing for immediate use upon powering on. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Mini PC.



Image: Front view of the BOSGAME P4 Plus Mini PC, showcasing its compact design and front ports.

2. Package Contents

Please check the box for the following items:

- BOSGAME P4 Plus Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount with Screws
- User Manual



Image: Contents of the BOSGAME P4 Plus package, including the mini PC, power adapter, HDMI cable, VESA mount, and user manual.

3. Product Overview

3.1. Hardware Features

The BOSGAME P4 Plus is equipped with an AMD Ryzen 7 5825U processor, featuring 8 cores and 16 threads, with a maximum boost clock of 4.5 GHz. It includes 16GB of DDR4 3200MHz RAM and a 512GB PCIe 3.0 SSD, providing robust performance for demanding tasks.



Image: Diagram highlighting the AMD Ryzen 7 5825U Processor with specifications like 8 cores, 16 threads, 16MB L3 Cache, 4.50 GHz Max. Boost Clock, and 15W Default TDP.

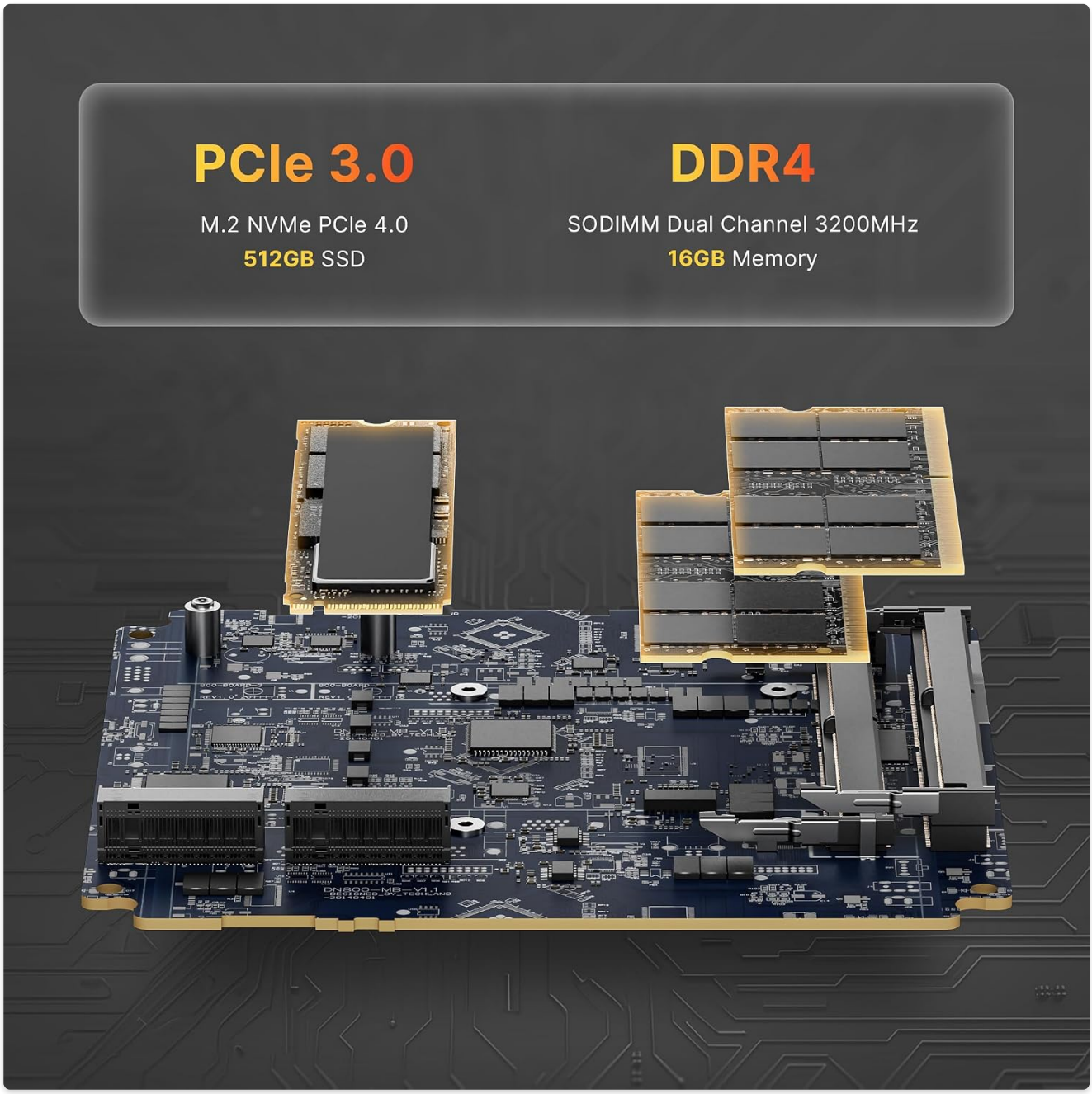


Image: Internal view showing the M.2 NVMe PCIe 3.0 SSD and SODIMM Dual Channel DDR4 memory modules.

3.2. Ports and Interfaces

The Mini PC offers a comprehensive set of ports for connectivity and expansion:

- **Front Ports:** USB 3.2, USB-C, Audio Jack, Power Button.
- **Rear Ports:** DC Power Input, Dual 2.5G RJ45 LAN ports, DisplayPort (DP), HDMI, USB 2.0.



Image: Illustration of the front and rear interfaces of the BOSGAME P4 Plus Mini PC, detailing USB, audio, power, LAN, HDMI, and DisplayPort connections.



Image: Close-up view of the dual 2.5G Ethernet ports, emphasizing high-speed network transmission capabilities.

3.3. Connectivity

- **Wi-Fi 6E:** Supports higher frequency bands (2.4GHz/5GHz/6GHz) for faster wireless data rates up to 9.6 Gbps.
- **Bluetooth 5.2:** For connecting wireless peripherals.
- **Dual 2.5G LAN:** Two 2.5 Gigabit Ethernet ports for high-speed wired networking, capable of acting as a soft router.

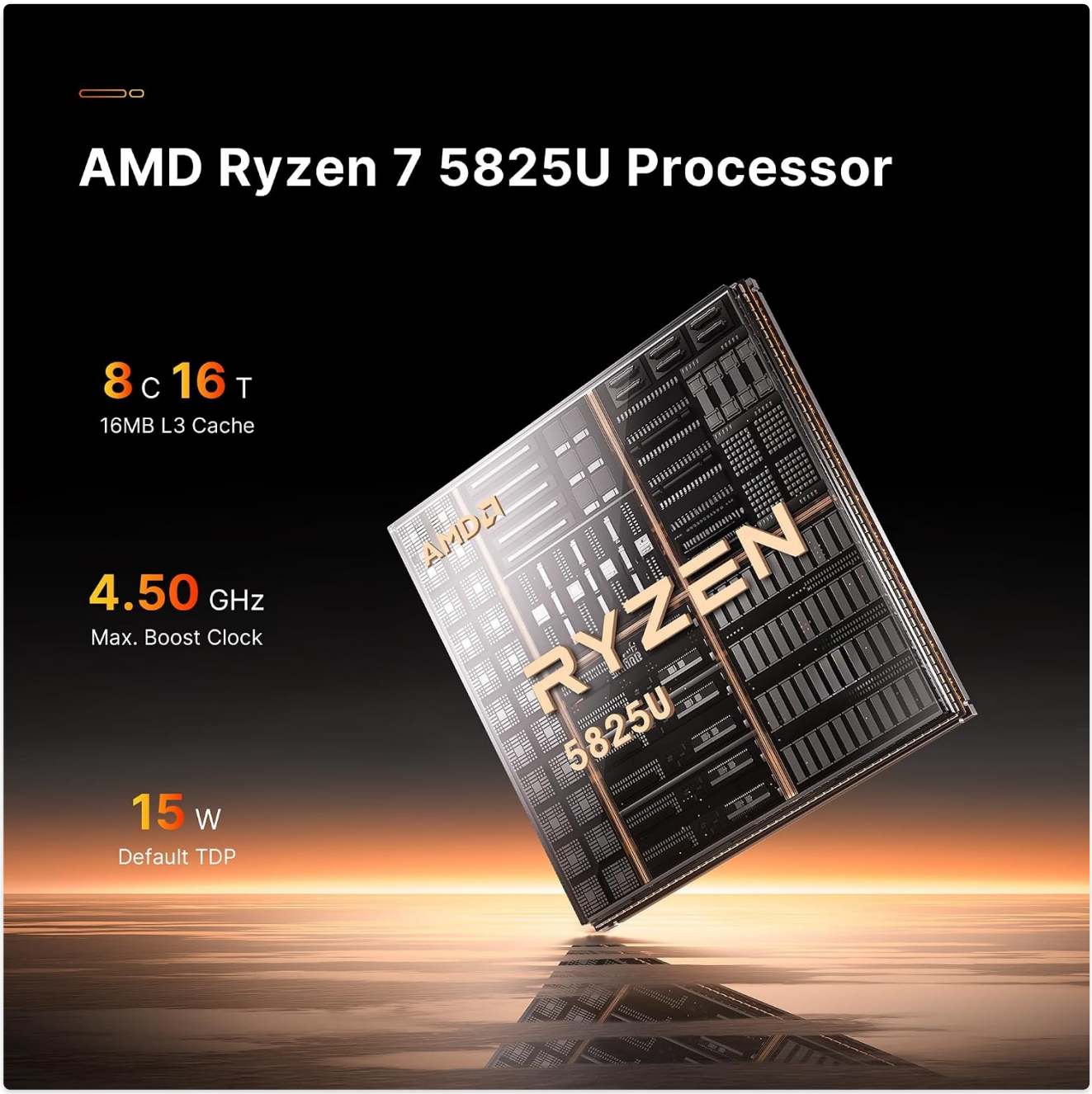


Image: Infographic summarizing key features including WiFi6E, Wake on LAN, Triple Screen Display support, 2.5G RJ45 LAN, and Wall Mount capability.

4. Setup Guide

4.1. Initial Connection

1. **Connect Display:** Use the provided HDMI cable or a DisplayPort cable to connect your monitor(s) to the Mini PC. The device supports triple display output via HDMI, DisplayPort, and Type-C, all supporting 4K @ 60Hz resolution.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect Power:** Connect the power adapter to the DC input port on the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button located on the front of the Mini PC. The system will boot into Windows 11 Pro.



Image: A BOSGAME P4 Plus Mini PC connected to three monitors, demonstrating its triple screen output capability for enhanced productivity or entertainment.

4.2. Network Connection

- **Wired Connection:** Connect an Ethernet cable from your router or modem to one of the 2.5G LAN ports on the Mini PC.
- **Wireless Connection:** Once Windows 11 Pro has loaded, navigate to the network settings to connect to your Wi-Fi 6E network.

5. Operating Instructions

5.1. Power Management

- **Power On:** Press the power button on the front panel.
- **Shut Down:** In Windows, click the Start button, then Power, and select "Shut down".
- **Restart:** In Windows, click the Start button, then Power, and select "Restart".
- **Sleep:** In Windows, click the Start button, then Power, and select "Sleep".

5.2. Using Windows 11 Pro

Your BOSGAME P4 Plus Mini PC comes with Windows 11 Pro pre-installed. You can immediately begin using it for various tasks. Familiarize yourself with the Windows 11 interface for optimal use.

5.3. Specific Use Cases

- **Gaming:** The integrated AMD Radeon Graphics (8 cores, 2000 MHz Frequency) allows for playing light to moderate games.
- **Soft Router:** Utilize the dual 2.5G LAN ports to configure the Mini PC as a flexible router for advanced network management.
- **Virtualization:** With its powerful processor and ample RAM, the Mini PC is suitable for running virtual machines (e.g., Proxmox, as noted by users).

6. Maintenance and Upgrades

6.1. General Care

- Keep the Mini PC in a well-ventilated area to prevent overheating.
- Clean the exterior with a soft, dry cloth. Avoid liquid cleaners.
- Ensure all cables are securely connected.

6.2. Upgradability

The BOSGAME P4 Plus supports memory and storage upgrades:

- **RAM:** The device supports up to 64GB of DDR4 RAM. It has two SODIMM slots.
- **SSD:** You can add a second SSD with the same specifications (PCIe 2280) for expanded storage.

Note: Always power off and unplug the Mini PC before performing any internal upgrades. If unsure, consult a professional.

7. Troubleshooting

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

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- **No Display:** Check that the HDMI/DisplayPort cable is firmly connected to both the Mini PC and the monitor. Try a different cable or monitor if possible. Ensure the monitor is set to the correct input source.
- **Network Issues:** For wired connections, check the Ethernet cable and router status. For Wi-Fi, ensure the Wi-Fi adapter is enabled in Windows and you are connected to the correct network with the correct password.
- **System Slowdown:** Close unnecessary applications. Check Task Manager for high CPU/RAM usage. Ensure Windows is updated and drivers are current.

If problems persist, please refer to the support section for contact information.

8. Specifications

Feature	Specification
Brand	BOSGAME
Model Number	P4 Plus

Feature	Specification
Processor	AMD Ryzen 7 5825U (8 Cores, 16 Threads, up to 4.5 GHz)
Graphics	AMD Radeon Graphics (8 cores, 2000 MHz Frequency)
Operating System	Windows 11 Pro
RAM	16GB DDR4 3200MHz (Max 64GB)
Storage	512GB PCIe 3.0 SSD (Supports additional PCIe 2280 SSD)
Display Output	HDMI, DisplayPort, USB-C (Supports Triple 4K @ 60Hz)
Network	Dual 2.5G LAN, Wi-Fi 6E (802.11ax), Bluetooth 5.2
Ports	USB 3.2, USB-C, Audio Jack, USB 2.0
Dimensions (L x W x H)	11 x 4 x 11 cm
Weight	900 grams

9. Warranty and Support

Your BOSGAME P4 Plus Mini PC comes with a**2-year warranty**. If you encounter any problems or have questions regarding your product, please do not hesitate to contact our customer service. We offer 24-hour customer support to assist you.
For support, please refer to the contact information provided with your purchase documentation or visit the official BOSGAME website.

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