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BOSGAME P4 Plus

BOSGAME Mini PC P4 Plus User Manual

Model: P4 Plus
Brand: BOSGAME

1. Introduction

The BOSGAME Mini PC P4 Plus is a compact and powerful computing solution designed for a wide range of applications, from office tasks and home theater to multimedia editing and light gaming. Equipped with an AMD Ryzen 7 5825U processor, ample memory, and fast storage, it offers robust performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Mini PC.



Figure 1.1: BOSGAME Mini PC P4 Plus, illustrating its compact design and port layout.

The image displays the BOSGAME Mini PC P4 Plus from two angles: a front view highlighting the power button, USB ports, and audio jack, and a side view revealing additional USB ports, HDMI, DisplayPort, and dual LAN ports. The device is sleek and black, emphasizing its small footprint.

2. What's in the Box

Upon opening your BOSGAME Mini PC P4 Plus package, please verify that all the following items are included:

- **1 x BOSGAME Mini PC P4 Plus:** The main computing unit with 16GB DDR4 RAM and 512GB SSD.
- **1 x VESA mount:** For attaching the Mini PC to the back of a compatible monitor.
- **1 x HDMI cable:** For connecting the Mini PC to a display.
- **1 x Power adapter:** To supply power to the Mini PC.
- **1 x User Manual:** This instruction guide.

3. Key Features

The BOSGAME Mini PC P4 Plus is engineered with advanced components to deliver exceptional performance and versatility:

- **Powerful AMD Ryzen 7 5825U Processor:** Features 8 Cores, 16 Threads, and a Max Boost Clock of 4.5GHz, enhanced by Radeon RX Vega Graphics for smooth 4K video playback, efficient video/photo editing, and gaming.

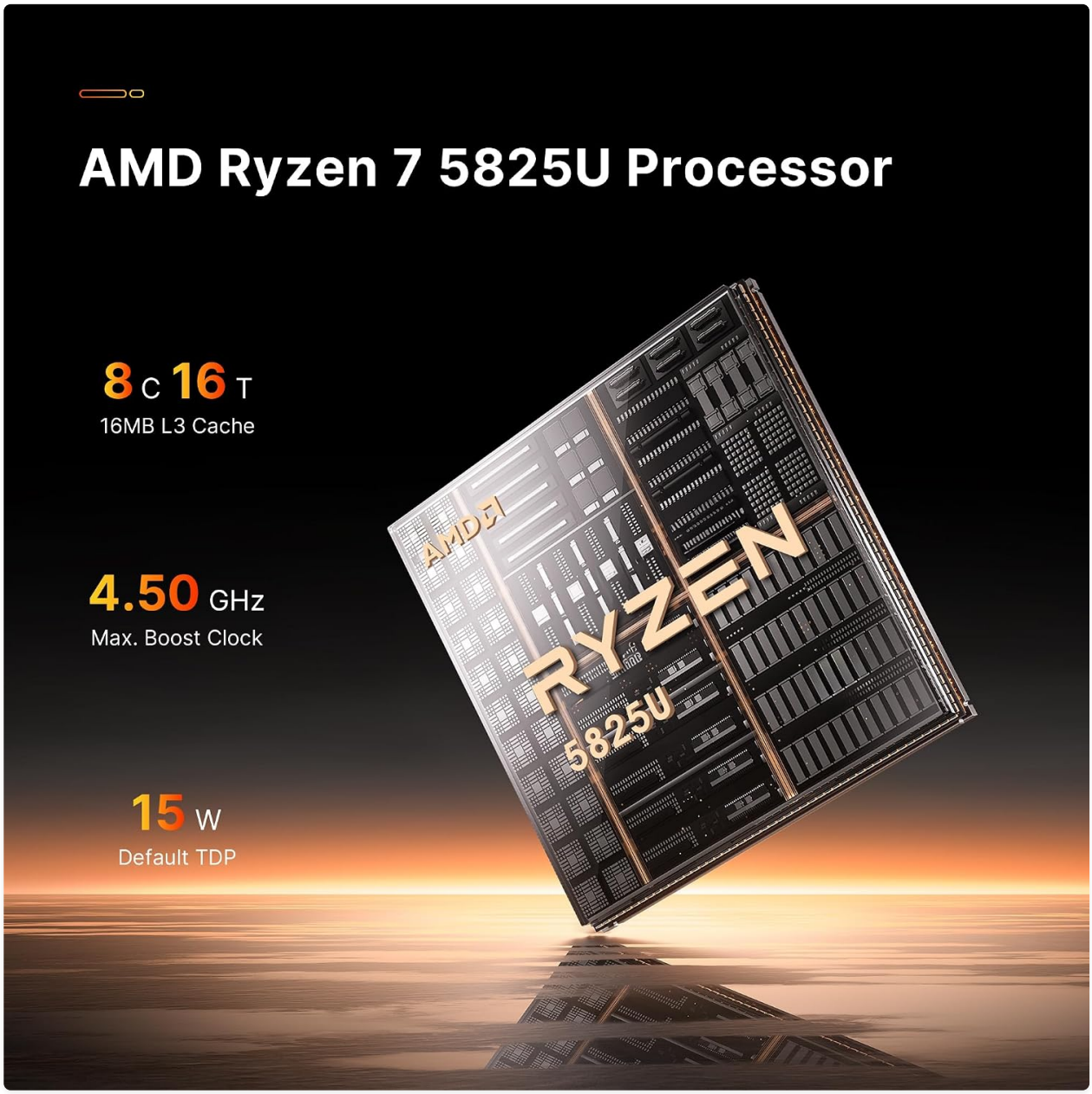


Figure 3.1: AMD Ryzen 7 5825U Processor details, highlighting its core count, thread count, L3 cache, max boost clock, and default TDP.

This image provides a detailed graphic of the AMD Ryzen 7 5825U processor, emphasizing its key specifications: 8 Cores, 16 Threads, 16MB L3 Cache, 4.50 GHz Max. Boost Clock, and 15W Default TDP. The processor is depicted as a microchip with intricate circuitry.

- **Dual 2.5Gbps LAN Ports:** Provides lightning-fast network speeds, 3x faster than traditional Gigabit networks, ideal for quick downloads, smooth 4K streaming, and responsive online gaming.



Figure 3.2: Dual 2.5Gbps LAN ports on the Mini PC, illustrating high-speed network connectivity.

The image shows the rear of the BOSGAME Mini PC with two Ethernet cables connected to its dual 2.5Gbps LAN ports, visually representing the high-speed networking capability.

- **Dual NVMe SSD Slots:** Offers blazing-fast storage with a pre-installed 512GB M.2 NVMe SSD and support for an additional NVMe 2280 SSD, expandable up to 8TB.



Figure 3.3: Internal components, highlighting the SODIMM Dual Channel 3200MHz Memory (16GB) and PCIe 3.0 M.2 2280 NVMe SSD (512GB) with an additional empty slot.

This image provides an internal view of the Mini PC, clearly showing the 16GB DDR4 SODIMM memory modules and the two M.2 NVMe SSD slots, one populated with a 512GB drive and another empty for expansion.

- **4K@60Hz HD Triple Display Support:** Delivers crisp and detailed visuals with support for 4K resolution at 60Hz across up to three displays, enhancing productivity for video editing, content creation, and multimedia consumption.



Figure 3.4: Triple screen display setup, showcasing the Mini PC's capability to connect to multiple monitors for enhanced productivity and entertainment.

The image depicts the BOSGAME Mini PC positioned on a desk, connected to three large monitors, illustrating its triple display support for a multi-tasking setup.

- **Pre-installed Windows 11 Pro OS:** Provides a modern and streamlined operating system for seamless web browsing, email management, document editing, and photo editing. The Mini PC also supports other operating systems like Ubuntu and Linux.



Figure 3.5: Powerful system compatibility, showing the Mini PC running Windows, Linux, and Ubuntu interfaces.

This image illustrates the BOSGAME Mini PC's broad operating system compatibility, with screens displaying interfaces for Windows, Linux, and Ubuntu, indicating smooth running of various software programs.

- **Wi-Fi 6 & Bluetooth 5.2:** Ensures high-speed wireless connectivity with Wi-Fi 6 (3x faster than Wi-Fi 5) for seamless work and streaming, complemented by Bluetooth 5.2 for reliable peripheral connections.



Figure 3.6: Wi-Fi 6 and Bluetooth 5.2 capabilities, emphasizing advanced wireless connectivity.

The image features the BOSGAME Mini PC with prominent text overlays for 'Wi-Fi 6E' and 'Bluetooth 5.2', visually representing its advanced wireless communication standards.

- **Rich Interfaces:** Equipped with multiple USB 3.2, USB-C, HDMI, DisplayPort, and dual 2.5G LAN ports for expanded connectivity and daily application needs.



Figure 3.7: Rich interfaces for more possibilities, detailing the front and rear ports of the Mini PC.

This image provides a clear view of the BOSGAME Mini PC's front and rear panels, labeling all available ports including USB 3.2, USB-C, Audio Jack, Power, DC, 2.5G RJ45 LAN, HDMI, DisplayPort, and USB 2.0, highlighting its extensive connectivity options.

- **Full-featured USB-C:** Supports PD 3.0 power supply, 4K@60Hz video output, and 10Gbps data transmission.



Figure 3.8: Full-featured USB-C port, demonstrating its capability for power delivery, 4K video output, and high-speed data transmission.

The image shows the BOSGAME Mini PC connected to a monitor via a single USB-C cable, illustrating the versatility of the full-featured USB-C port for power delivery, video output, and data transfer.

4. Setup Guide

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

1. **Connect Peripherals:** Connect your keyboard, mouse, and monitor(s) to the appropriate USB, HDMI, or DisplayPort connections on the Mini PC.
2. **Power Connection:** Plug the power adapter into the DC-in port on the Mini PC, then connect it to a power outlet.
3. **Initial Boot:** Press the power button on the front of the Mini PC. The system will begin to boot up.
4. **Operating System Setup:** If this is the first boot, you will be guided through the Windows 11 Pro setup process. Follow the on-screen instructions to select your language, region, keyboard layout, and create a user account.
5. **Network Connection:** Connect to your Wi-Fi network or plug in an Ethernet cable to one of the 2.5Gbps LAN

ports to establish an internet connection.

6. **Updates:** Once the setup is complete and you are connected to the internet, it is recommended to check for and install any available Windows updates to ensure optimal performance and security.

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Video 4.1: User Setup of Windows 11 Pro on the BOSGAME Mini PC.

This video demonstrates the step-by-step process of setting up Windows 11 Pro on the BOSGAME Mini PC, including language selection, region settings, keyboard layout, network connection, and user account creation. It provides a visual guide for first-time users.

5. Operating Instructions

Your BOSGAME Mini PC P4 Plus is designed for intuitive operation. Here are some general guidelines:

5.1 Power On/Off

- **To Power On:** Press the power button on the front of the device. The power indicator light will illuminate.
- **To Shut Down:** In Windows, click the Start button, then Power, and select 'Shut down'. Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).
- **To Restart:** In Windows, click the Start button, then Power, and select 'Restart'.

5.2 Connecting Displays

The Mini PC supports up to three displays simultaneously via its HDMI, DisplayPort, and USB-C (DisplayPort Alt Mode) outputs. Ensure your monitors are powered on and set to the correct input source.

5.3 USB Device Connectivity

Utilize the available USB 3.2 and USB 2.0 ports for connecting external devices such as external hard drives, printers, webcams, and other peripherals. The USB-C port also supports high-speed data transmission.

5.4 Network and Internet Access

Connect to the internet using either the dual 2.5Gbps LAN ports for wired connections or the integrated Wi-Fi 6 for wireless access. Bluetooth 5.2 allows for seamless connection of wireless keyboards, mice, and audio devices.

6. Specifications

Detailed technical specifications for the BOSGAME Mini PC P4 Plus:

Category	Specification
Brand	BOSGAME
Series	Bosgame Ryzen 7 Mini PC P4 Plus
Model Number	P4
Processor	AMD Ryzen 7 5825U (8 Cores, 16 Threads, Max Boost 4.5GHz)

Category	Specification
Processor Speed	2 GHz
RAM	16 GB DDR4 (3200 MHz)
Memory Slots Available	2
Hard Drive	512 GB NVMe SSD (Dual NVMe SSD Slots)
Graphics Coprocessor	AMD Radeon Graphics (Radeon RX Vega 8)
Max Screen Resolution	3840 x 2160 pixels (4K@60Hz)
Wireless Type	802.11ax (Wi-Fi 6)
Bluetooth	Bluetooth 5.2
LAN Ports	Dual 2.5Gbps RJ45
USB 2.0 Ports	2
USB 3.0 Ports	2
USB-C Port	1 (Full-featured: PD 3.0, 4K@60Hz video, 10Gbps data)
Operating System	Pre-installed Windows 11 Pro (Supports Win/Ubuntu/Linux)
Item Weight	2.42 pounds
Color	Black
Dimensions	6.57 x 6.46 x 4.17 inches

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Mini PC:

- **Keep it Clean:** Regularly dust the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation holes are clear of obstructions to prevent overheating. Avoid using liquid cleaners directly on the device.
- **Software Updates:** Periodically check for and install operating system updates, driver updates (especially for graphics and chipset), and application updates. This improves security, stability, and performance.
- **Ventilation:** Place the Mini PC in a well-ventilated area. Do not block the air vents. Ensure there is adequate space around the device for airflow.
- **Cable Management:** Keep cables organized and untangled to prevent damage to ports and ensure proper airflow.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.

8. Troubleshooting

If you encounter issues with your BOSGAME Mini PC P4 Plus, try these common troubleshooting steps:

- **No Power:**
  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Test the power outlet with another device.
  - Verify the power adapter is not damaged.
- **No Display:**
  - Check that the HDMI/DisplayPort/USB-C cable is securely connected to both the Mini PC and the monitor.
  - Ensure the monitor is powered on and set to the correct input source.
  - Try a different cable or monitor if possible.
- **No Internet Connection:**
  - For wired connections, check the Ethernet cable and router status.
  - For Wi-Fi, ensure the Wi-Fi adapter is enabled in Windows settings and you are connected to the correct network with the correct password.
  - Restart your router and modem.
- **Slow Performance:**
  - Close unnecessary applications running in the background.
  - Check for and install any pending Windows updates or driver updates.
  - Ensure adequate free space on your SSD.
  - Monitor CPU and RAM usage in Task Manager to identify resource-intensive processes.
- **System Freezes/Crashes:**
  - Perform a forced shutdown by holding the power button for 5 seconds, then restart the PC.
  - Check for overheating; ensure vents are clear.
  - Run a system diagnostic or memory test if issues persist.

If these steps do not resolve your issue, please refer to the Warranty & Support section for further assistance.

9. Warranty and Support

BOSGAME is committed to providing excellent customer service and support for your Mini PC P4 Plus.

- **Warranty:** Enjoy peace of mind with a 1-year warranty from the date of purchase.
- **Returns:** Benefit from a 30-day worry-free return policy.
- **Technical Support:** Access 24/7 lifetime technical support.

If you encounter any issues or require assistance, please contact BOSGAME immediately. Our professional team is dedicated to providing timely and honest solutions to ensure your experience is seamless.



Figure 9.1: BOSGAME Warranty & Support contact details.

This image provides information on how to contact BOSGAME for after-sales service, including contacting via Amazon (logging into your buyer account, finding your order, clicking 'Get Help', then 'Ask a question') and direct email support at support@bosgamepc.com. It assures a prompt reply on working days.

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