

BOSGAME P3 Pro

BOSGAME P3 Pro Mini PC User Manual

Model: P3 Pro (AMD Ryzen 9 7940HS)

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your BOSGAME P3 Pro Mini PC. This compact desktop computer is equipped with an AMD Ryzen 9 7940HS processor, 16GB DDR5 RAM, and a 1TB PCIe SSD, designed for various applications including office work, design, home use, education, and gaming.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- BOSGAME P3 Pro Mini PC
- Power Adapter
- HDMI Cable
- User Manual
- VESA Mount (optional, may vary by package)

SETUP GUIDE

1. Connecting Peripherals

Before powering on your Mini PC, connect all necessary peripherals.

- **Display:** Connect your monitor(s) using the HDMI, DisplayPort (DP), or USB-C ports. The P3 Pro supports triple display output at 4K@60Hz.
- **Keyboard and Mouse:** Connect your USB keyboard and mouse to the available USB 3.2 Type-A ports.
- **Network:** For a wired connection, connect an Ethernet cable to one of the two 1000M LAN ports. For wireless, the device supports Wi-Fi 6E.
- **Power:** Connect the power adapter to the DC-in port on the back of the Mini PC, then plug the adapter into a power outlet.

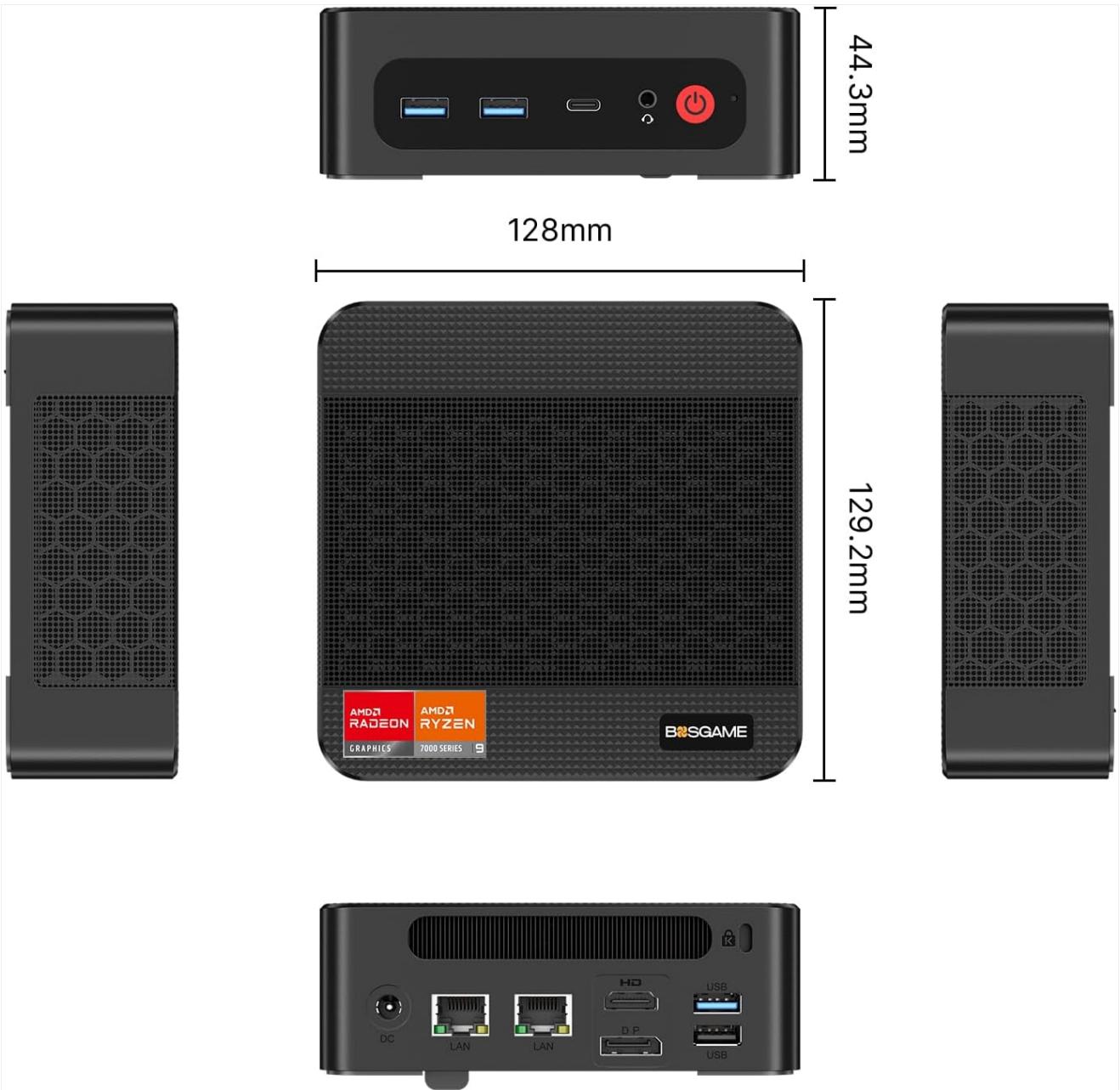


Image: Front and rear view of the BOSGAME P3 Pro Mini PC, illustrating port locations and overall dimensions.

EFFIZEN **P3 PRO**

SUPPORT TRIPLE SCREEN DISPLAY



Image: Detailed diagram showing the dimensions and port layout of the BOSGAME P3 Pro Mini PC, including USB, HDMI, DP, USB-C, and LAN ports.

2. Initial Power On

Press the power button located on the front of the Mini PC. The system will boot up.

3. Operating System

The BOSGAME P3 Pro comes with Windows 11 Pro pre-installed. Follow the on-screen instructions to complete the initial Windows setup. The device also supports other operating systems such as Ubuntu and Linux.

4. Wireless Connectivity

To connect to a wireless network, navigate to the network settings in your operating system and select your Wi-Fi 6E network. For Bluetooth devices, enable Bluetooth on your Mini PC and pair with your accessories.



Image: Overview of the BOSGAME P3 Pro Mini PC's core features, including processor, wireless connectivity, and storage options.

5. Wall Mounting (Optional)

The Mini PC can be mounted on the back of a monitor or on a wall using the included VESA mount. This frees up desk space.

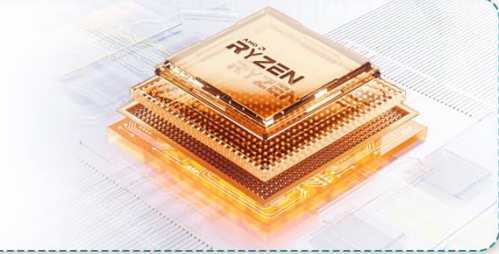
OPERATING INSTRUCTIONS

1. Basic Operation

Once the operating system is loaded, you can use your Mini PC like any standard desktop computer. The AMD Ryzen 9 7940HS processor with 8 cores and 16 threads, boosting up to 5.2GHz, provides robust performance for demanding tasks.

Ryzen 9 7940HS

8 Cores 16 Threads
Max.Boost Clock:Up to 5.2GHz



Radeon 780M

Max Graphics Frequency 2700MHz



WIFI 6E



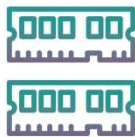
Bluetooth:
5.2



HDMI2.0*1(4K@60Hz)+DP*1(4K@60Hz)
+Full Function USB-C*1(4K@60Hz)



RJ45 LAN
1000M



32GB
16GB*2 DDR5 5600MHz
SODIMM



1 TB
M.2 2280 NVMe
PCIe4.0

Image: Detailed breakdown of the BOSGAME P3 Pro's internal components and display capabilities.

2. Triple Screen Display

The P3 Pro supports connecting up to three displays simultaneously via HDMI 2.0, DisplayPort 1.4, and the full-function USB-C port. Each port supports 4K resolution at 60Hz, enhancing productivity for multi-tasking environments.

WiFi 6E 802.11 a/b/g/n/ac/ax

Wi-Fi 6E is an extension of the Wi-Fi 6 standard to the 6-GHz spectrum, ensuring faster network speeds, lower latency and higher security.



Wake on LAN Auto power on

Setup your computer to auto power on (For more details, log on <https://www.bosgamepc.com/>)



Triple Screen Display

Supports three different screen displays and 4K resolution of 4096x2160, four times the resolution of 1920x1080 HD, for more detailed and lifelike images.



Dual RJ45 LAN

Equipped with RTL8111H-powered dual Gigabit RJ45 ports, it ensures hardware-accelerated, driver-optimized networking for seamless software router integration network cables.



Wall Mount

Wall mounting allows the computer to be mounted on the back of the monitor as well as on the wall or under the table, freeing up more space.

Image: Visual representation of the BOSGAME P3 Pro Mini PC supporting a triple monitor setup, demonstrating its multi-display capability.

3. Wake on LAN / Auto Power On

The Mini PC supports Wake on LAN and Auto Power On features. These can be configured in the BIOS settings to allow remote startup or scheduled power-on. Refer to the BIOS settings for detailed configuration options. For more details on setting up auto power on, you may visit the official BOSGAME website.

MAINTENANCE AND UPGRADES

1. Storage Expansion

The P3 Pro Mini PC includes a 1TB PCIe 4.0x4 NVMe SSD. For additional storage, you can expand by adding another M.2 2280 NVMe PCIe4.0X4 SSD. Ensure the device is powered off and unplugged before performing any internal upgrades.

2. General Care

Keep the Mini PC in a well-ventilated area to prevent overheating. Regularly clean the exterior with a soft, dry cloth. Avoid exposing the device to liquids or extreme temperatures.

TROUBLESHOOTING

1. Driver Installation Issues (AMD)

If you encounter issues with AMD driver installation, ensure that the Microsoft Visual C++ Redistributable packages are installed on your system. This often resolves driver conflicts.

2. System Sluggishness (Windows 11)

For Windows 11 users experiencing initial sluggishness, disabling "Core Isolation (Memory Integrity)" in Windows Security settings may improve system responsiveness.

3. Fan Noise

The fan noise level can vary depending on the operating system and workload. Users have reported that the device runs quieter on Linux compared to Windows under similar loads. Ensure the device has adequate ventilation.

SPECIFICATIONS

Feature	Detail
Brand	BOSGAME
Model Name	P3 Pro
Processor	AMD Ryzen 9 7940HS (8 Cores, 16 Threads, up to 5.2 GHz)
Graphics	AMD Radeon 780M Graphics (Max Graphics Frequency 2700 MHz)
RAM	16GB DDR5 (Dual-channel, 4800 MHz, expandable to 64GB)
Storage	1TB PCIe 4.0x4 NVMe SSD (Expandable with M.2 2280 NVMe PCIe4.0X4 SSD)
Operating System	Windows 11 Pro (Supports Win/Ubuntu/Linux)
Video Output	HDMI 2.0 (4K@60Hz) x1, DisplayPort 1.4 (4K@60Hz) x1, USB-C (4K@60Hz) x1 (Triple Display Support)
Networking	Dual 1000M Ethernet LAN, Wi-Fi 6E (802.11 a/b/g/n/ac/ax), Bluetooth 5.2
Ports	USB 3.2 Type-A x3, USB-C x1 (full function), HDMI x1, DisplayPort x1, RJ45 LAN x2, DC-in
Dimensions	Approximately 128mm x 129.2mm x 44.3mm

WARRANTY AND SUPPORT

The BOSGAME P3 Pro Mini PC comes with a **1-year manufacturer's warranty**.

For technical support, customer service is available 24 hours a day, and lifetime technical support is provided. If you have any questions or require assistance, please do not hesitate to contact BOSGAME customer service.

USAGE SCENARIOS

The BOSGAME P3 Pro Mini PC is versatile and suitable for a wide range of applications:

- **Education:** Ideal for students and educators requiring a powerful yet compact workstation.
- **Office:** Efficient for daily office tasks, multitasking, and business applications.
- **Photo Editing:** Capable of handling photo editing software with its robust processor and graphics.
- **Meeting:** Suitable for presentations and video conferencing.
- **Gaming:** Supports light to moderate gaming with its integrated AMD Radeon 780M graphics.
- **Home Theater:** Excellent for streaming 4K content and home entertainment setups.

15885

Cinebench 23 running score

Ryzen 9 7940HS

Ryzen 9 6900HX

3065

3DMARK Performance

Ryzen 9 7940HS

Ryzen 9 6900HX

Image: Visual examples of the BOSGAME P3 Pro Mini PC being used in different environments, showcasing its versatility.