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## BOSGAME P2 Neo

# BOSGAME P2 Neo Mini PC (Intel Core i5-12450H) User Manual

## 1. INTRODUCTION

Welcome to the user manual for your BOSGAME P2 Neo Mini PC. This document provides essential information for setting up, operating, maintaining, and troubleshooting your new mini computer. Designed for efficiency and versatility, the P2 Neo is equipped with an Intel Core i5-12450H processor, 16GB DDR4 RAM, and a 512GB SSD, offering robust performance for office tasks, multimedia, and light gaming.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your product box:

- 1x BOSGAME P2 Neo Mini PC
- 1x Power Adapter
- 1x HDMI Cable
- 1x VESA Mount (with screws)
- 1x User Manual

# 1000M RJ45 LAN

The main advantages of Gigabit Ethernet ports are speed, stability and relatively low cost, with widely available devices and network cables.



Image: Contents of the BOSGAME P2 Neo Mini PC package, showing the mini PC unit, power adapter, HDMI cable, user manual, and VESA mounting bracket with screws.

## 3. PRODUCT OVERVIEW

Familiarize yourself with the physical features and port layout of your BOSGAME P2 Neo Mini PC.



Image: The BOSGAME P2 Neo Mini PC shown from two angles, highlighting its compact size and sleek design.

## Front Panel

- **Power Button:** To turn the device on/off.
- **Audio Jack:** For headphones or external speakers.
- **USB-C (10Gbps):** For data transfer and display output.
- **2x USB 3.2 Gen2 (10Gbps):** For connecting peripherals.

## Rear Panel

- **DC-IN Port:** For connecting the power adapter.
- **2x 1000M RJ45 LAN Ports:** For wired network connections.
- **HDMI 2.0 (4K@60Hz):** For display output.
- **DP 1.2 (4K@60Hz):** For display output.
- **2x USB 3.2 Gen2 (10Gbps):** For connecting peripherals.

# Powerful system compatibility

Smooth running of various software programs



Image: Detailed diagram illustrating the various ports available on the front and rear panels of the mini PC.

## 4. SETUP

### Initial Setup

- Connect Display:** Connect your monitor(s) to the mini PC using the HDMI, DisplayPort (DP), or USB-C ports. The device supports up to three 4K displays at 60Hz.
- Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
- Connect Power:** Connect the power adapter to the DC-IN port on the rear panel of the mini PC, then plug the adapter into a power outlet.
- Power On:** Press the Power Button on the front panel to turn on the mini PC.

### Operating System Setup

Upon first boot, the Windows operating system will guide you through the initial setup process. Follow the on-screen prompts to configure your language, region, network settings, and user account. Ensure you have an active internet connection for updates and account synchronization.

Video: A step-by-step guide on how to set up the Windows operating system on the BOSGAME P2 Neo Mini PC.

## 5. OPERATING

### Connectivity

- **Wi-Fi 6:** The mini PC supports Wi-Fi 6 (802.11ax) for fast and stable wireless internet connectivity.
- **Bluetooth 5.2:** Connect wireless peripherals such as keyboards, mice, and audio devices via Bluetooth 5.2.
- **Dual LAN:** Utilize the two RJ45 Gigabit Ethernet ports for robust and high-speed wired network connections, ideal for server applications or network isolation.



Image: An illustration demonstrating the versatile wireless connectivity options of the BOSGAME P2 Neo Mini PC, connecting to multiple devices simultaneously.

### Multi-Display Configuration

The BOSGAME P2 Neo supports connecting up to three 4K displays simultaneously via its HDMI, DisplayPort, and USB-C outputs. This allows for an expanded workspace, enhancing productivity for tasks requiring multiple screens.

## Combining speed and capacity



 **16GB**

DDR4 3200MHz

 **512GB**

M.2 2280 NVMe PCIe 3.0



Image: The mini PC powering a triple-monitor setup, showcasing its capability for extensive display configurations.

### Storage and Memory Upgrade

The P2 Neo Mini PC comes with 16GB DDR4 RAM and a 512GB PCIe M.2 NVMe SSD. Both components are user-upgradeable:

- **RAM:** The two DDR4 SO-DIMM channels support up to 32GB of RAM (Max 3200MHz).
- **SSD:** The two PCIe Gen 3x4 NVMe SSD slots are upgradeable, allowing for increased storage capacity.

## EXPANDABLE STORAGE

Expandable M.2 NVMe PCIe 3.0x4 2280 SSD

Configurable to 4TB (Not Included)



Image: An illustration detailing the expandable storage capabilities of the mini PC, featuring the M.2 NVMe SSD slot.

## 6. MAINTENANCE

### Care and Cleaning

- Keep the mini PC in a clean, dust-free environment.
- Ensure proper ventilation by not blocking the air vents.
- Clean the exterior with a soft, dry cloth. Avoid liquid cleaners.

## 7. TROUBLESHOOTING

If you encounter any issues with your BOSGAME P2 Neo Mini PC, refer to the following common solutions:

- No Display:** Ensure all display cables are securely connected and the monitor is powered on and set to the correct input source.
- No Power:** Verify the power adapter is correctly connected to both the mini PC and a working power outlet.
- Network Connectivity Issues:** Check Ethernet cable connections or Wi-Fi settings. Restart your router

if necessary.

- **Slow Performance:** Close unnecessary applications, check for background updates, or consider upgrading RAM/SSD if performance remains consistently low.

For further technical assistance, please contact BOSGAME customer support.

## 8. SPECIFICATIONS

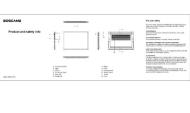
Component	Detail
Processor	Intel Core i5-12450H (8 Cores, 12 Threads, Max Turbo Frequency 4.40GHz)
Graphics	Intel UHD Graphics (Graphics Frequency 1.20 GHz)
RAM	16GB DDR4 (Max 3200MHz, upgradeable to 32GB)
Storage	512GB PCIe M.2 NVMe SSD (upgradeable)
Operating System	Supports Windows 11/10, Linux, Ubuntu
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	2x 1000M RJ45 LAN Ports
Video Output	1x HDMI 2.0 (4K@60Hz), 1x DP 1.2 (4K@60Hz), 1x USB-C (10Gbps, 4K@60Hz)
USB Ports	4x USB 3.2 Gen2 (10Gbps), 1x USB-C (10Gbps)
Audio	3.5mm Combo Jack
Dimensions	6.54 x 6.46 x 4.17 inches
Weight	2.64 pounds

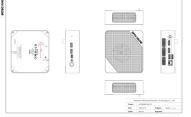
## 9. WARRANTY AND SUPPORT

BOSGAME offers a **1-year warranty** on all PCs from the date of purchase. This includes 30 days of worry-free returns and lifetime technical support.

For technical support or warranty claims, please contact BOSGAME customer service via email at [support@bosgamepc.com](mailto:support@bosgamepc.com) or through your Amazon account (Your Account > Your Orders > Ask Product Question).

### Related Documents - P2 Neo

	<a href="#"><b>BOSGAME MGI i5 12500H PRO Product and Safety Information</b></a> Comprehensive product and safety information for the BOSGAME MGI i5 12500H PRO mini PC, including setup, connectivity, safety guidelines, and FCC compliance details.
	<a href="#"><b>Bosgame EffiZen Series C1 Mini PC Instruction Manual</b></a> Comprehensive instruction manual for the Bosgame EffiZen Series C1 Mini PC, covering setup, usage, maintenance, and support.

	<p><a href="#"><b>Bosgame EffiZen Series AS1 Mini PC Instruction Manual</b></a></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><a href="#"><b>BOSGAME H66/H68/H77 Mini PC User Manual and Technical Specifications</b></a></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><a href="#"><b>EffiZen Series P2 Mini PC Instruction Manual - Bosgame</b></a></p> <p>Official instruction manual for the Bosgame EffiZen Series P2 Mini PC. Learn about setup, usage, maintenance, compliance, and warranty information.</p>
	<p><a href="#"><b>BOSGAME PTX20 Mini PC Technical Specifications and Overview</b></a></p> <p>Detailed technical specifications, dimensions, and operational notes for the BOSGAME PTX20 Mini PC manufactured by Shenzhen Weikesen Electronic Technology Co., Ltd.</p>