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BOSGAME E5 Plus

BOSGAME E5 Plus Mini PC Ryzen 5400U User Manual

Model: E5 Plus

1. Introduction

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your BOSGAME E5 Plus Mini PC. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Image: The BOSGAME E5 Plus Mini PC, a compact and powerful computing device.

2. Package Contents

Ensure all items are present in the package:

- 1 × BOSGAME E5 Plus Mini PC
- 1 × HDMI Cable
- 1 × Power Adapter
- 1 × VESA Mount & Screws
- 1 × User Manual (this document)

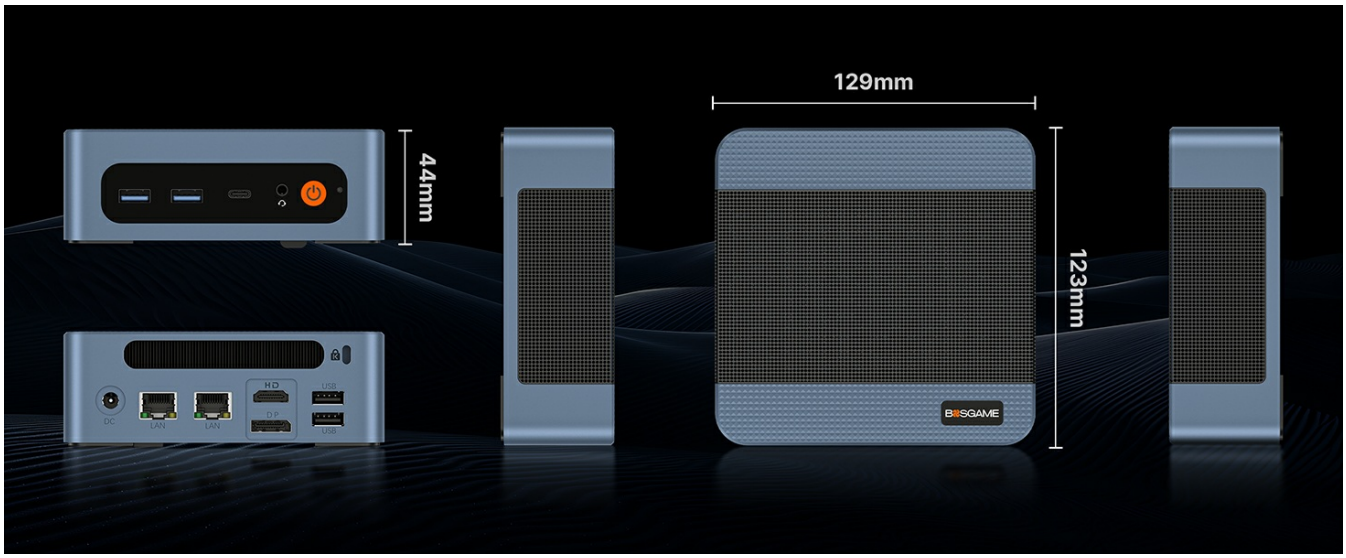


Image: Illustration of the BOSGAME E5 Plus Mini PC and its included accessories: HDMI cable, power adapter, VESA mount with screws, and user manual.

3. Setup Guide

3.1 Unboxing and Physical Overview

Before connecting your Mini PC, familiarize yourself with its physical layout and ports.

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Video: An unboxing video of a BOSGAME Mini PC (VTA-439), demonstrating the physical product and its ports.

3.2 Connecting Peripherals

1. **Connect Display:** Connect your monitor or TV to the Mini PC using an HDMI, DisplayPort, or USB Type-C cable. The E5 Plus supports triple 4K@60Hz displays.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports. You can use either the front USB 3.2 Gen 2 Type-A ports or the rear USB 2.0 ports.
3. **Connect Power:** Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet.
4. **Network Connection (Optional):** For wired internet, connect an Ethernet cable to one of the dual 2.5GbE LAN ports. For wireless, the device supports Wi-Fi 5.

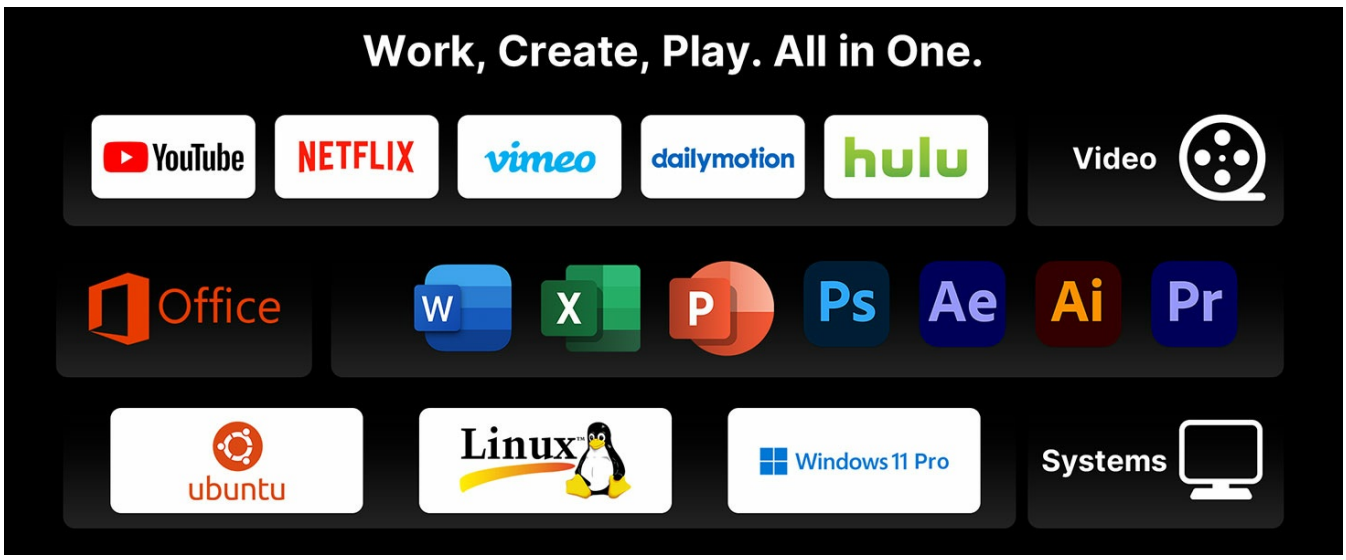


Image: The BOSGAME E5 Plus Mini PC connected to three external displays, demonstrating its triple screen display capability.

3.3 Initial Boot and Operating System Setup

The BOSGAME E5 Plus Mini PC comes pre-installed with Windows 11 Pro.

1. **Power On:** Press the power button located on the front of the Mini PC.
2. **Windows Setup:** Follow the on-screen instructions to complete the initial Windows 11 Pro setup. This typically involves selecting your region, keyboard layout, and creating a user account.
3. **Network Configuration:** During Windows setup, you may be prompted to connect to a network. If using Wi-Fi, select your network and enter the password.

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Video: A demonstration of a BOSGAME Mini PC (P4 Ultra) being set up and ready to use out of the box, including initial Windows configuration steps.

4. Operating Instructions

4.1 Power On/Off and Restart

- **Power On:** Press the power button on the front panel.
- **Power Off:** Click the Start menu in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds.
- **Restart:** Click the Start menu in Windows, then select Power > Restart.

4.2 Connectivity

The E5 Plus offers versatile connectivity options:

- **Dual 2.5GbE LAN:** Two RJ45 ports for high-speed wired network connections, ideal for NAS or soft router applications.
- **Wi-Fi 5 & Bluetooth 5.0:** Integrated wireless connectivity for internet access and pairing with Bluetooth devices like headsets, keyboards, and mice.
- **USB Ports:** Two front USB 3.2 Gen 2 Type-A ports (10Gbps) and two rear USB 2.0 ports for various peripherals.
- **Full-Function USB-C:** Supports data transfer, DisplayPort video output (4K@60Hz), and PD 3.0 power delivery.
- **Video Outputs:** HDMI 2.0, DisplayPort, and USB Type-C, all supporting up to 4K@60Hz for triple display setups.

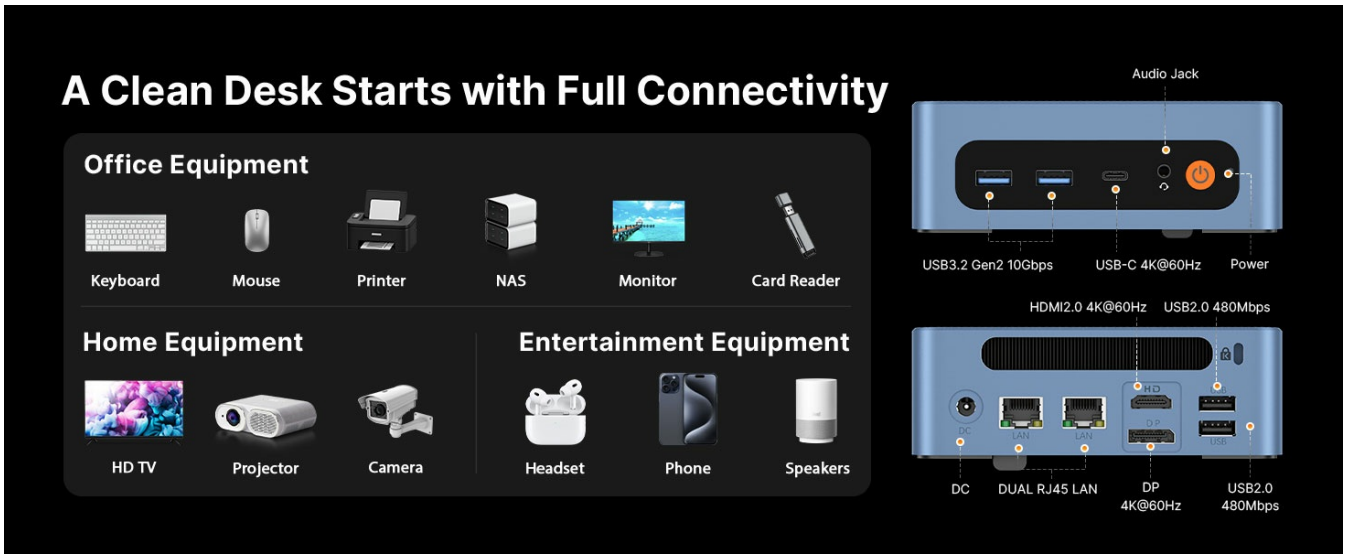


Image: Detailed view of the BOSGAME E5 Plus Mini PC's front and rear ports, highlighting USB, HDMI, DisplayPort, USB-C, and dual

LAN connections.

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Video: An overview of the ports and benchmark performance of a BOSGAME Mini PC, demonstrating its connectivity options.

4.3 Performance Overview

The E5 Plus is powered by an AMD Ryzen 3 5400U processor (4 cores, 8 threads, up to 4.0GHz boost) with integrated Radeon Graphics (up to 1600MHz). It comes with 8GB DDR4 RAM and a 256GB M.2 2280 SATA SSD, providing efficient performance for multitasking, office applications, web browsing, and 4K video playback.

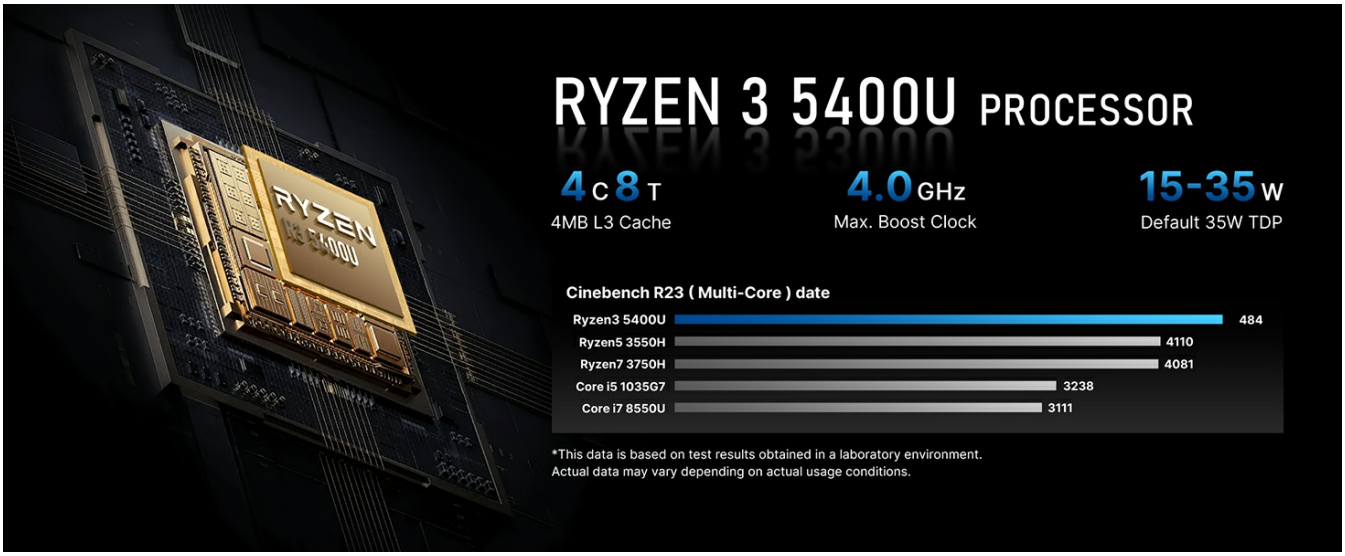


Image: Details of the AMD Ryzen 3 5400U processor, highlighting its 4 cores, 8 threads, and max boost clock of 4.0 GHz.

5. Maintenance and Upgrades

5.1 Heat Dissipation

The Mini PC features an efficient heat dissipation system with a large fan and copper heat pipes to ensure stable and quiet operation. Keep the vents clear of obstructions to maintain optimal airflow.

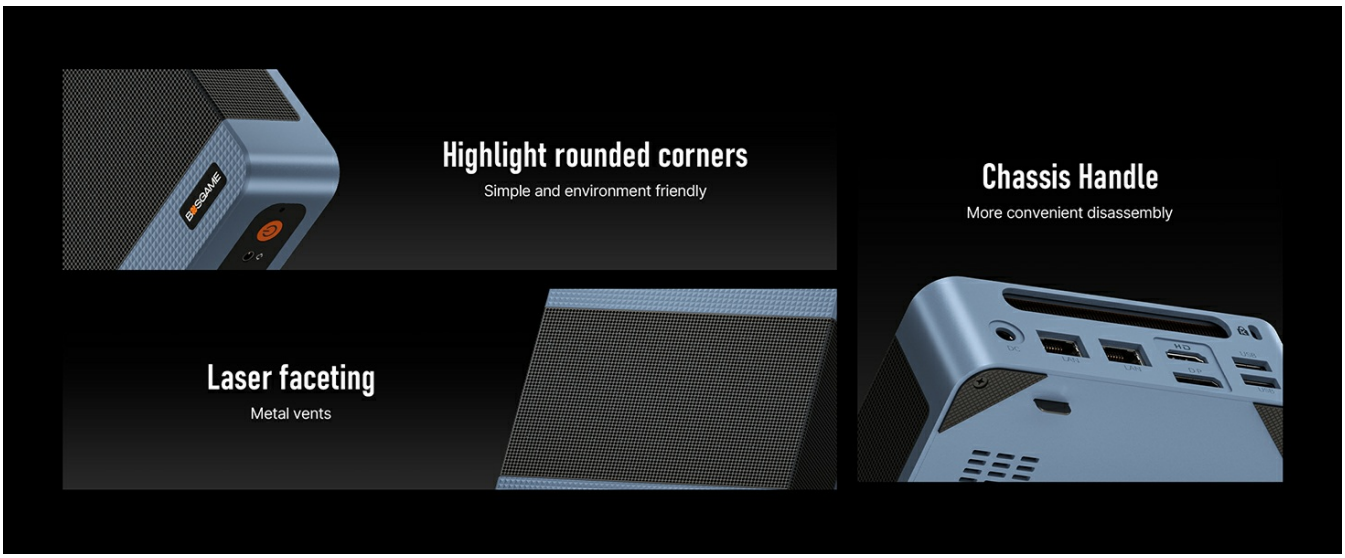


Image: Diagram illustrating the internal heat dissipation system of the BOSGAME Mini PC, showing the fan and heat pipes.

5.2 Upgradability

The E5 Plus Mini PC offers flexible upgrade options:

- **RAM:** The 8GB DDR4 memory can be expanded up to 64GB using the two SODIMM slots.
- **Storage:** In addition to the included 256GB M.2 2280 SATA SSD, there is an additional M.2 2280 NVMe PCIe 3.0 x4 slot for adding more high-speed storage, expandable up to 4TB.



Image: Visual representation of the expandable RAM (DDR4 SODIMM) and dual M.2 storage options (SATA SSD and NVMe PCIe SSD) within the BOSGAME Mini PC.

6. Troubleshooting

6.1 Common Issues and Solutions

- **No Display:**
  - Ensure the monitor is powered on and the correct input source is selected.
  - Check all display cable connections (HDMI, DisplayPort, USB-C) are secure.
  - Try a different display cable or port.
- **No Power:**
  - Verify the power adapter is securely connected to both the Mini PC and the power outlet.
  - Ensure the power outlet is functional.
- **Network Connectivity Issues:**
  - For wired connections, check Ethernet cable integrity and router status.
  - For Wi-Fi, ensure the correct network is selected and the password is entered accurately. Restart your router if necessary.
- **System Slowdown:**
  - Close unnecessary applications.
  - Check for background processes consuming high resources (Task Manager in Windows).
  - Consider upgrading RAM or storage if slowdowns persist during heavy usage.

6.2 BIOS Setup

To access the BIOS settings, repeatedly press the **Delete** key during startup. This allows for advanced configuration, such as adjusting power limits or UMA Frame Buffer Size for graphics performance.

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Video: Instructions on how to access and configure BIOS settings for BOSGAME Mini PCs, including power limit and UMA Frame Buffer Size adjustments.

7. Specifications

Feature	Detail
Brand	BOSGAME
Model Name	E5 Plus
Operating System	Pre-installed Windows 11 Pro OS
CPU Model	AMD Ryzen 3 5400U (4 Cores, 8 Threads, 2.6 GHz base, up to 4.0 GHz boost)
Graphics Coprocessor	AMD Radeon Vega 8 (Integrated)
RAM Memory	8 GB DDR4 (Expandable up to 64 GB)
Storage	256 GB M.2 2280 SATA SSD (Additional M.2 2280 NVMe PCIe 3.0 x4 slot, expandable up to 4TB)
Connectivity	Dual 2.5GbE LAN, Wi-Fi 5, Bluetooth 5.0
Video Outputs	HDMI 2.0 (4K@60Hz), DisplayPort (4K@60Hz), USB-C (4K@60Hz) - Triple Display Support
USB Ports	2x USB 3.2 Gen 2 Type-A (front), 2x USB 2.0 (rear), 1x Full-Function USB-C
Audio	3.5mm Combo Audio Jack
Dimensions	5.1 x 5 x 1.6 inches
Weight	14.4 ounces
Power Consumption	15 watts



Image: Diagram showing the compact dimensions of the BOSGAME E5 Plus Mini PC.

8. Warranty and Customer Support

8.1 Warranty Information

BOSGAME provides a **1-year warranty** for the entire machine and a **3-year warranty** for parts. This ensures long-term peace of mind regarding your purchase. All BOSGAME mini PCs are FCC, ROHS, and CE certified.

8.2 Customer Support

If you have any questions or require assistance with your BOSGAME E5 Plus Mini PC, please contact our customer service team:

1. **Contact Us on Amazon:** Log into your Amazon buyer's account, find your order, click 'Get help', and follow the prompts for product support.
2. **Email Support:** Send an email to support@bosgame.com. Our team will respond as soon as possible.

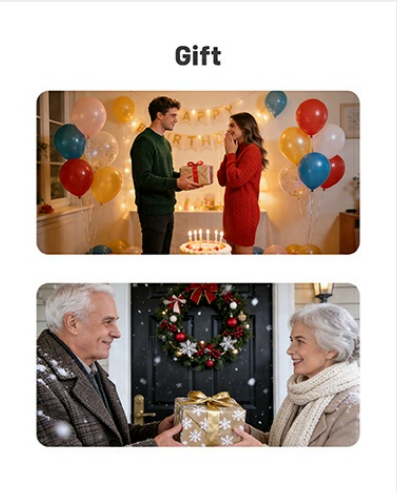


Image: Visual guide for contacting BOSGAME customer support via Amazon or email.

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