BOSGAME E5

BOSGAME E5 Mini PC User Manual
MODEL: E5
Brand: BOSGAME

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your BOSGAME E5 Multi-Functional Mini PC. The BOSGAME E5 is equipped with a Ryzen 3 5300U 4-core 8-thread processor, 16GB DDR4 RAM, and a 1TB PCIe 3.0x4 SSD, offering robust performance for various tasks. It supports triple display output via HDMI, DisplayPort, and USB-C, and features Wi-Fi 5 and Bluetooth 5.0 connectivity.

Image 1.1: The BOSGAME E5 Mini PC, a compact and powerful desktop computer.

2. WHAT'S IN THE BOX

Verify that all items are present in the package before proceeding with the setup.

- BOSGAME E5 Mini PC x1
- User Manual x1
- HDMI 2.0 Cable x1
- 19V 3.42A Power Adapter x1
- VESA Mount & Screws x1

Image 2.1: Contents of the BOSGAME E5 Mini PC package, including the device, cables, power adapter, and VESA mount.

3. SETUP INSTRUCTIONS

3.1 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI 2.0 cable to connect your monitor to the HDMI port on the Mini PC. Alternatively, use a DisplayPort or USB-C cable for compatible displays. The Mini PC supports up to three

displays simultaneously at 4K@60Hz.

2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.2 Type-A ports on the front or rear of the Mini PC.

3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router to one of the 1000Mbps RJ45 LAN ports on the rear. For wireless connectivity, the device supports Wi-Fi 5.

4. **Connect Power:** Plug the 19V 3.42A power adapter into the DC-in port on the rear of the Mini PC, then plug the adapter into a power outlet.

3.2 First Boot and Operating System Setup

5. **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.

6. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro operating system setup. This includes selecting your language, region, and creating a user account.

7. **Network Configuration:** During the OS setup, you will be prompted to connect to a network. If using Wi-Fi, select your network and enter the password. If using a wired connection, it should connect automatically.
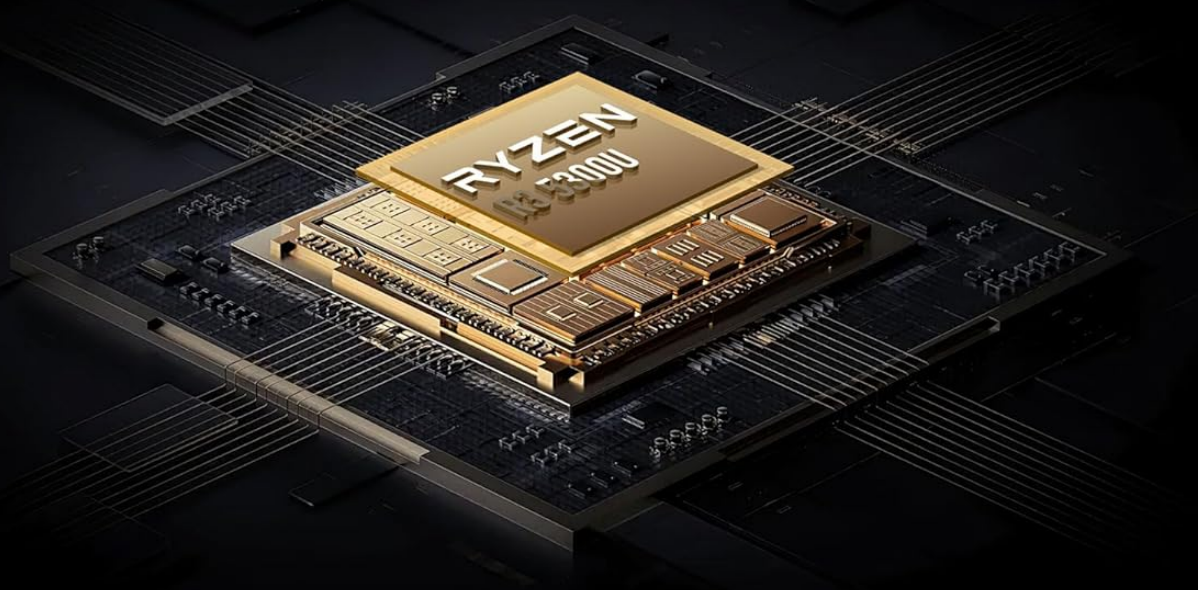
RYZEN 3 5300U
PROCESSOR

4c **8**t
4MB L3 Cache

3.8GHz
Max. Boost Clock

15-35w
Default 35W TDP

Cinebench R23 (Multi-Core) date

Ryzen3 5300U	4637
Ryzen5 3550H	4110
Ryzen7 3750H	4081
Core i5 1035G7	3238
Core i7 8550U	3111

*This data is based on test results obtained in a laboratory environment.
Actual data may vary depending on actual usage conditions.

Image 3.1: Overview of the BOSGAME E5 Mini PC's front and rear ports, highlighting various connectivity options.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **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'.

4.2 Display Configuration

The BOSGAME E5 supports up to three independent displays at 4K@60Hz. Connect your monitors using the HDMI 2.0, DisplayPort, and USB-C outputs. Once connected, Windows will automatically detect the displays. You can configure display settings (resolution, orientation, extended/duplicated desktop) via the Windows Display Settings.

Image 4.1: Illustration of the BOSGAME E5 Mini PC supporting a triple display setup for enhanced productivity.

4.3 Network and Wireless Connectivity

- **Wired LAN:** Utilize the dual 1000Mbps RJ45 LAN ports for high-speed, stable wired network connections.

- **Wi-Fi 5:** Connect to wireless networks using the integrated Wi-Fi 5 module. Access Wi-Fi settings through the Windows taskbar network icon.
- **Bluetooth 5.0:** Pair Bluetooth-enabled devices such as keyboards, mice, headphones, or speakers via the integrated Bluetooth 5.0. Manage Bluetooth devices in Windows Settings.

Image 4.2: Visual representation of the BOSGAME E5 Mini PC's wireless capabilities, including Wi-Fi 5 and Bluetooth 5.0 for various peripherals.

5. MAINTENANCE

5.1 Memory and Storage Upgrade

The BOSGAME E5 comes with 16GB DDR4 RAM and a 1TB M.2 2280 PCIe SSD. The storage is expandable up to 4TB. For detailed instructions on upgrading RAM or SSD, please refer to the official BOSGAME support resources or consult a qualified technician.

Image 5.1: Illustration of the internal memory (DDR4) and M.2 NVMe PCIe SSD components of the BOSGAME E5 Mini PC.

5.2 Internal Structure Overview

Understanding the internal layout can assist with maintenance and upgrades. The Mini PC features a plastic base, SSD heatsink, SYS Fan, SO-DIMM DDR4 3200MHz slots, motherboard, CPU, heat conducting phase change material, M.2 2280 NVMe PCIe3.0 slot, heat sink with double heatpipe and single air vent, CPU Smart Fan, and a plastic body.
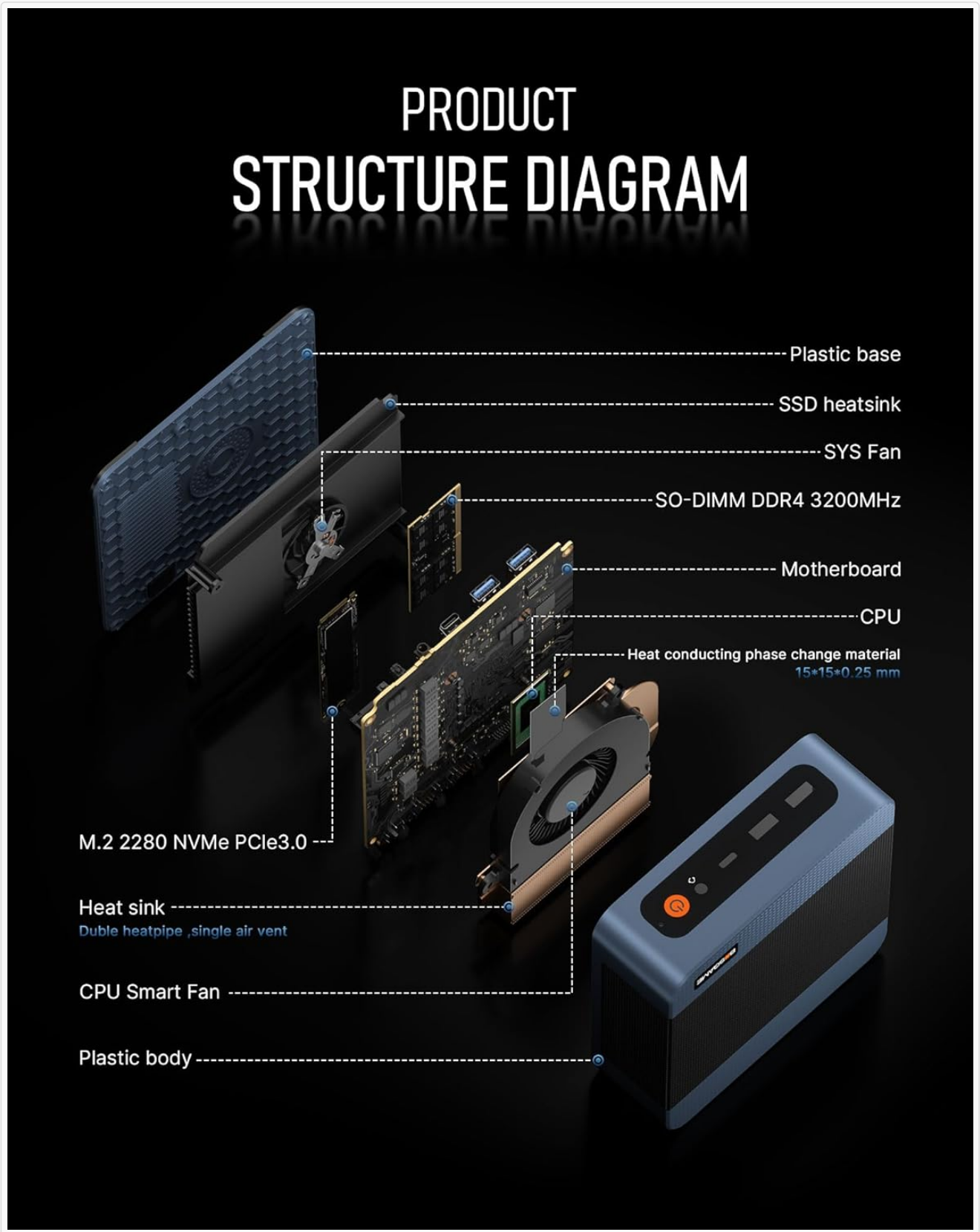

Image 5.2: Exploded view diagram illustrating the internal components and structure of the BOSGAME E5 Mini PC.

6. TROUBLESHOOTING

- **No Display:** Ensure the monitor is powered on and correctly connected to the Mini PC via HDMI, DisplayPort, or USB-C. Try a different cable or display port.

- **No Power:** Verify the power adapter is securely connected to both the Mini PC and a working power outlet. Check if the power indicator light is on.

- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For Wi-Fi, ensure the correct network is selected and the password is entered accurately. Restart the Mini PC and your router.

- **Slow Performance:** Close unnecessary applications. Check for background updates. Ensure sufficient free storage space.

- **Peripheral Not Detected:** Try connecting the peripheral to a different USB port. Ensure drivers are up to date.
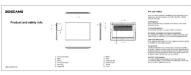
7. SPECIFICATIONS
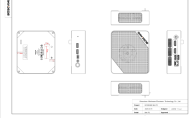
Feature	Detail
Processor	AMD Ryzen 3 5300U (4-core, 8-thread, up to 3.8GHz)
Graphics	Radeon Graphics (Max Graphics Frequency 1500MHz)
RAM	16GB DDR4
Storage	1TB M.2 2280 PCIe 3.0x4 SSD (Expandable up to 4TB)
Display Output	1x HDMI 2.0, 1x DisplayPort, 1x USB-C (Triple Display 4K@60Hz)
USB Ports	3x USB 3.2 Type-A, 1x USB 2.0 Type-A, 1x USB-C
Network	2x 1000Mbps RJ45 LAN, Wi-Fi 5
Bluetooth	Bluetooth 5.0
Audio	3.5mm Combo Jack (CTIA specifications)
Operating System	Windows 11 Pro
Dimensions	6.54 x 6.38 x 4.21 inches (Package)
Weight	2.42 pounds

8. WARRANTY AND SUPPORT

BOSGAME provides free and reliable lifetime after-sales service for the E5 Mini PC. All products hold FCC, ROHS, and CE certifications. Additionally, a 1-year professional factory support and 24/7 online customer service are available to assist with any inquiries or issues.

For further assistance, please visit the official BOSGAME website or contact customer support directly.

Related Documents - E5

	[BOSGAME MGI i5 12500H PRO Product and Safety Information](#) Comprehensive product and safety information for the BOSGAME MGI i5 12500H PRO mini PC, including setup, connectivity, safety guidelines, and FCC compliance details.
	[BOSGAME H66/H68/H77 Mini PC User Manual and Technical Specifications](#) Official user manual for BOSGAME H66, H68, and H77 mini PCs, detailing technical specifications, safety precautions, connection steps, warranty, and FCC compliance.
	[Bosgame EffiZen Series C1 Mini PC Instruction Manual](#) Comprehensive instruction manual for the Bosgame EffiZen Series C1 Mini PC, covering setup, usage, maintenance, and support.
	[Bosgame EffiZen Series AS1 Mini PC Instruction Manual](#) Official instruction manual for the Bosgame EffiZen Series AS1 Mini PC, detailing setup, hardware installation (SSD, RAM), VESA mounting, usage guidelines, and support resources.
	[EffiZen Series P2 Mini PC Instruction Manual - Bosgame](#) Official instruction manual for the Bosgame EffiZen Series P2 Mini PC. Learn about setup, usage, maintenance, compliance, and warranty information.
	[BOSGAME PTX20 Mini PC Technical Specifications and Overview](#) Detailed technical specifications, dimensions, and operational notes for the BOSGAME PTX20 Mini PC manufactured by Shenzhen Weikesen Electronic Technology Co., Ltd.