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BOSGAME H77

BOSGAME H77 Mini PC User Manual

Model: H77 | Brand: BOSGAME

1. INTRODUCTION

Welcome to the BOSGAME H77 Mini PC user manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your new mini PC. Please read this manual thoroughly to ensure proper usage and to maximize the performance and longevity of your device.

2. PRODUCT OVERVIEW

The BOSGAME H77 is a compact yet powerful mini PC designed for a wide range of applications, from daily productivity to light gaming. It features an AMD Ryzen 7 7735HS processor, 32GB DDR5 RAM, and a 512GB NVMe M.2 SSD, offering high performance in a small form factor.

BOS Mini H77
Powerful Performance
AMD Ryzen™7 7735HS

CPU **7735HS** | Core **8C 16T** | Speed **3.2~4.75GHz** | TDP **35W**



Cinebench R23 (Multi-Core) date

Ryzen™ 7 7735HS		3230
Ryzen™ 7 6800H		3195
Ryzen™ 5 6600H		2968
Ryzen™ 7 5800H		2631

Figure 2.1: Powerful Performance. This image illustrates the core specifications of the BOSGAME H77 Mini PC, emphasizing its AMD Ryzen 7 7735HS processor with 8 cores, 16 threads, a clock speed range of 3.2 to 4.75GHz, and a Thermal Design Power (TDP) of 35W. A benchmark comparison for Cinebench R23 (Multi-Core) is also shown, positioning the 7735HS favorably against other Ryzen models.

BOS Mini H77
Speedy Response
AMD Radeon™ 680M



[148.0 FPS]

FORTNITE

[132.0 FPS]

CS:GO

[135.0 FPS]



[98.0 FPS]



[178.0 FPS]



DDR5
32GB

SSD
512GB

HDD
Up to 2TB

Figure 2.2: Speedy Response. This image highlights the gaming capabilities of the BOSGAME H77 Mini PC, powered by AMD Radeon 680M integrated graphics. It displays estimated frames per second (FPS) for popular games such as League of Legends (148.0 FPS), Fortnite (132.0 FPS), CS:GO (135.0 FPS), Grand Theft Auto (98.0 FPS), and DOTA 2 (178.0 FPS), indicating smooth performance. The image also notes the system's 32GB DDR5 RAM, 512GB SSD, and support for up to 2TB HDD.

BOS Mini H77

Support Triple Screen Display

2*HDMI2.0+Type-C(USB4.0)

Meet all your daily needs, working & entertaining



Wi-Fi 6



Bluetooth 5.2



Cooling Fan
Heat sink



4K,60Hz



Figure 2.3: Triple Screen Display Support. This image demonstrates the BOSGAME H77 Mini PC's ability to support up to three displays simultaneously. It features two HDMI 2.0 ports and one Type-C (USB4.0) port, allowing for a versatile multi-monitor setup suitable for daily tasks, work, and entertainment. Key features like Wi-Fi 6, Bluetooth 5.2, cooling fan with heat sink, and 4K 60Hz support are also highlighted.

BOS Mini H77

Wide Array Of Ports

4* USB 3.2 and USB4.0

The interface is everywhere, everywhere is a little power

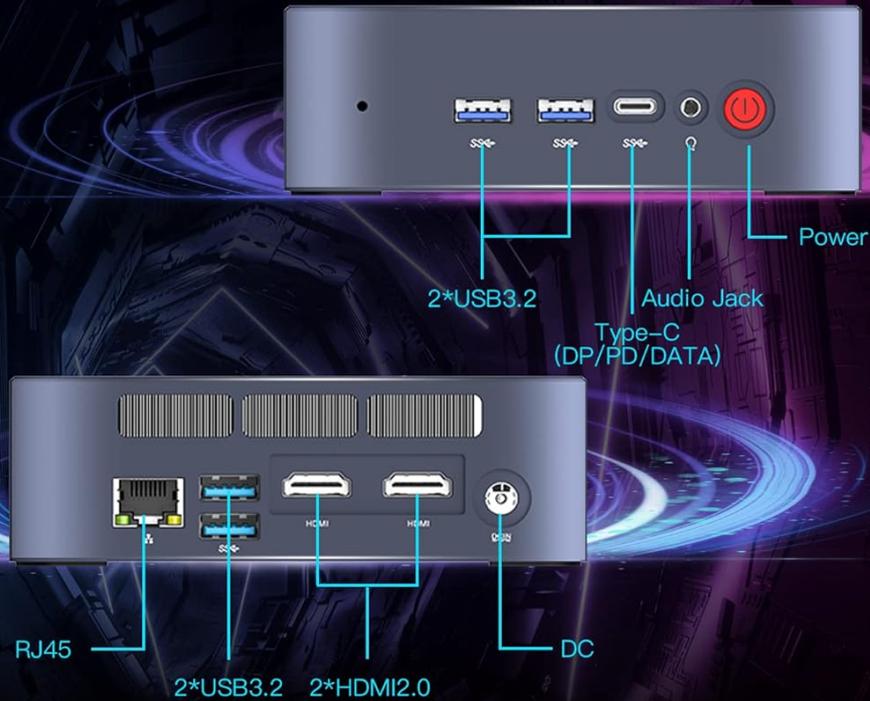


Figure 2.4: Wide Array of Ports. This image provides a detailed view of the BOSGAME H77 Mini PC's connectivity options. The front panel includes two USB 3.2 ports, one USB4.0 Type-C port (supporting DP/PD/DATA), an audio jack, and the power button. The rear panel features an RJ45 Ethernet port, two additional USB 3.2 ports, two HDMI 2.0 ports, and the DC power input. This comprehensive selection of ports ensures broad compatibility with various peripherals and displays.

BOS Mini H77

Compact Design

honeycomb design

0.6L body, does not take up too much space and is fully functional.



BOSGAME

Highly skilled, why do you need to be tall

Figure 2.5: Compact Design. This image emphasizes the compact and space-saving design of the BOSGAME H77 Mini PC. With a 0.6L body and dimensions of 126mm (length), 112mm (width), and 40.8mm (height), its honeycomb design is both aesthetically pleasing and functional, allowing it to fit into various environments without occupying much space.

3. SETUP GUIDE

3.1 Package Contents

Before proceeding, ensure all items are present in the package:

- BOSGAME H77 Mini PC
- Power Adapter
- HDMI Cable
- User Manual (this document)

3.2 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable to connect your monitor to one of the HDMI ports on the rear of the Mini PC. For triple display, connect additional monitors using the second HDMI port and the USB4.0 Type-C port

(requires a compatible adapter, not included).

2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any available USB 3.2 ports on the front or rear of the Mini PC.
3. **Connect Power:** Connect the power adapter to the DC input port on the rear of the Mini PC, then plug the adapter into a power outlet.
4. **Network Connection (Optional):** For a wired connection, plug an Ethernet cable into the RJ45 port on the rear. For wireless, ensure Wi-Fi is enabled during initial setup or via Windows settings.

3.3 Initial Boot-Up

1. Press the power button on the front of the Mini PC. The power indicator light will illuminate.
2. Follow the on-screen instructions to complete the Windows 11 Pro setup. This typically involves selecting your region, language, creating a user account, and connecting to a network.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **Power On:** Press the power button once.
- **Shut Down:** Click the Windows Start button, then select Power > Shut down. Do not unplug the power adapter directly without proper shutdown to prevent data loss.
- **Restart:** Click the Windows Start button, then select Power > Restart.

4.2 Network Connectivity

- **Wi-Fi:** To connect to a wireless network, click the Wi-Fi icon in the taskbar, select your desired network, and enter the password. The device supports Wi-Fi 6 for fast wireless speeds.
- **Ethernet:** If an Ethernet cable is connected, the system will automatically detect and connect to the wired network.
- **Bluetooth:** To connect Bluetooth devices (e.g., headphones, speakers), go to Windows Settings > Bluetooth & devices, and pair your device. The Mini PC supports Bluetooth 5.2.

4.3 Using USB Ports

The BOSGAME H77 features multiple USB 3.2 ports and a versatile USB4.0 Type-C port. These ports can be used for connecting external storage, peripherals, or for data transfer.

- **USB 3.2:** Provides high-speed data transfer for compatible devices.
- **USB4.0 Type-C:** This port supports DisplayPort (DP) for video output, Power Delivery (PD) for charging compatible devices, and high-speed data transfer.

4.4 Triple Display Setup

To utilize the triple display feature:

1. Connect your primary monitor to one HDMI port.
2. Connect your second monitor to the other HDMI port.
3. Connect your third monitor to the USB4.0 Type-C port using a compatible USB-C to DisplayPort or USB-C to HDMI adapter (sold separately).
4. Once connected, right-click on the desktop, select "Display settings," and configure your displays (extend, duplicate, etc.) as needed.

5. MAINTENANCE

5.1 Cleaning the Mini PC

Regular cleaning helps maintain optimal performance and extends the lifespan of your device.

- **Exterior:** Use a soft, dry, lint-free cloth to wipe the exterior surfaces. For stubborn marks, slightly dampen the cloth with water. Avoid harsh chemicals.
- **Ventilation:** Periodically use compressed air to clear dust from the ventilation grilles to ensure proper airflow and prevent overheating.

5.2 Software Updates

Keep your Windows 11 Pro operating system and drivers updated to ensure security, stability, and performance.

- **Windows Updates:** Go to Windows Settings > Windows Update and check for available updates.
- **Driver Updates:** Visit the BOSGAME official website for the latest drivers for your H77 Mini PC.

5.3 Storage Management

The 512GB NVMe M.2 SSD provides fast storage. To maintain performance:

- Regularly delete unnecessary files and applications.
- Utilize Windows Disk Cleanup tool to free up space.
- Consider external storage solutions for large files if the internal SSD becomes full.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your BOSGAME H77 Mini PC.

6.1 No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power adapter for any visible damage.

6.2 No Display

- Confirm the HDMI cable (or USB-C display 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 (HDMI 1, HDMI 2, DisplayPort, etc.).
- Try connecting the Mini PC to a different monitor or TV to rule out monitor issues.

6.3 Network Connectivity Issues

- **Wi-Fi:** Check if Wi-Fi is enabled in Windows settings. Restart your router/modem. Ensure you are within range of your Wi-Fi network.
- **Ethernet:** Verify the Ethernet cable is properly connected. Check your router/modem for internet access.

6.4 System Slowdown or Freezing

- Close unnecessary applications running in the background.
- Check Task Manager (Ctrl+Shift+Esc) for processes consuming high CPU, RAM, or disk usage.
- Ensure your system is up-to-date with the latest Windows and driver updates.
- Perform a disk cleanup and check for malware.

If you encounter issues not covered here, please refer to the support section for further assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	BOSGAME
Model Number	H77
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 7 7735HS (8 Cores, 16 Threads)
CPU Speed	Up to 4.75 GHz (Base 3.2 GHz)
Graphics Coprocessor	Integrated AMD Radeon 680M Graphics
RAM Memory Installed Size	32 GB DDR5 SDRAM
Memory Slots Available	2
Hard Disk Description	512 GB NVMe M.2 SSD
Video Output Interface	2x HDMI, 1x USB4.0 Type-C (DP support)
Display Resolution Maximum	3840 x 2160 pixels (4K)
Total USB Ports	4x USB 3.2, 1x USB4.0 Type-C
Connectivity Technology	Ethernet, HDMI, LAN, Wi-Fi
Wireless Compatibility	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Cooling Method	Air
Color	Black
Additional Features	Memory Card Reader

8. WARRANTY AND SUPPORT

Your BOSGAME H77 Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty duration and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please visit the official BOSGAME website or contact their customer service. Keep your purchase receipt and product serial number handy when seeking support.