

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [BOSGAME](#) /

› [BOSGAME P6 Ryzen 9 6900HX Mini PC Instruction Manual](#)

BOSGAME P6

BOSGAME P6 Ryzen 9 6900HX Mini PC Instruction Manual

Model: P6

1. PRODUCT OVERVIEW

The BOSGAME P6 Mini PC is a compact desktop computer designed for various tasks, from demanding professional applications to light gaming and home entertainment. It features an AMD Ryzen 9 6900HX processor, 32GB LPDDR5X RAM, and a 1TB PCIe 4.0 NVMe SSD, offering high performance in a small form factor.



EFFIZEN SERIES Ryzen 9 6900HX - 8Cores/16Threads
Max. Boost Clock Up to 4.9 GHz

Image: Overview of the BOSGAME P6 Mini PC highlighting its compact design and key features.

Video: A brief overview of the BOSGAME P6 Mini PC's design and functionality, suitable for work environments.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- BOSGAME P6 Mini PC (1 unit)
- User Manual (1 unit)
- HDMI 2.0 Cable (1 unit)

- 19V 3.42A, 65W Power Adapter (1 unit)
- VESA Mount & Screws (1 set)



Image: All components included in the BOSGAME P6 Mini PC package.

3. SETUP GUIDE

3.1 Initial Connection

1. Connect your monitor(s) to the HDMI, DisplayPort, or USB-C ports on the Mini PC.
2. Connect your keyboard and mouse to the available USB ports.
3. Connect the power adapter to the DC-in port on the Mini PC and then to a power outlet.
4. Press the power button on the front of the Mini PC to turn it on.

3.2 VESA Mount Installation

The BOSGAME P6 can be mounted to the back of a VESA-compatible monitor or under a desk for a clutter-free setup.

1. Attach the VESA mount bracket to the back of your monitor or desired surface using the provided screws.
2. Slide the Mini PC into the VESA mount until it clicks securely into place.

Why Choose Mini PC?



Large size,
takes up space



Limited performance,
hard to upgrade



Compact yet powerful,
flexible and portable

Image: Different installation methods for the BOSGAME P6 Mini PC.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **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 to force a shutdown (not recommended for regular use).

4.2 Operating System

The Mini PC comes pre-installed with Windows 11 Pro. It is also compatible with Ubuntu for users who prefer a Linux environment.

- **Windows 11 Pro:** Follow the on-screen instructions for initial setup upon first boot.
- **Ubuntu Compatibility:** Users can install Ubuntu by creating a bootable USB drive and following standard

installation procedures.

5. CONNECTIVITY

The BOSGAME P6 offers extensive connectivity options for various peripherals and network configurations.

5.1 Front Panel Ports

- **Power Button:** For turning the device on/off.
- **Audio Jack:** For headphones or external speakers.
- **USB-C (4K@60Hz):** Full-featured port supporting data transfer, power delivery (PD3.0), and DisplayPort video output.
- **USB 3.2 Gen2 (10Gbps) x2:** High-speed data transfer ports.

5.2 Rear Panel Ports

- **DC-in:** Power input port.
- **RJ45 LAN x2:** Dual Gigabit Ethernet ports for stable wired network connections.
- **HDMI (4K@60Hz):** Video output port.
- **DisplayPort (4K@60Hz):** Video output port.
- **USB 3.2 Gen2 (10Gbps) x1:** High-speed data transfer port.
- **USB 2.0 (480Mbps) x1:** Standard data transfer port.



Connectivity for All Needs



Image: Front and rear connectivity ports of the Mini PC.

5.3 Wireless Connectivity

- **Wi-Fi 6E:** For high-speed wireless internet access.
- **Bluetooth 5.3:** For connecting wireless peripherals. *Note: To activate Bluetooth 5.3, download the corresponding driver from the official Intel website; otherwise, it defaults to Bluetooth 5.2 speeds.*



Image: Wireless connectivity features (Wi-Fi 6E and Bluetooth 5.3) and compatible devices.

6. STORAGE EXPANSION

The Mini PC is equipped with a 1TB M.2 NVMe PCIe 4.0 x4 SSD and supports expansion up to 4TB with an additional M.2 NVMe drive.

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the chassis (refer to the detailed user manual for specific instructions).
3. Locate the additional M.2 NVMe slot.
4. Insert the new M.2 NVMe SSD into the slot and secure it with the provided screw.
5. Close the chassis and reconnect all cables.

7. DISPLAY SETUP

The BOSGAME P6 supports triple 4K display output simultaneously via HDMI, DisplayPort, and USB-C, all at 60Hz.

- Connect your 4K monitors to the available HDMI, DisplayPort, and USB-C video output ports.
- Ensure your monitors are set to the correct input source.
- In Windows Display Settings, configure your display arrangement (extend, duplicate, or show only on one display).

MULTI-FUNCTION USB-C PORT



VIDEO OUTPUT

up to 4K



TRANSMISSION RATE

10Gbps, faster than USB3.0



POWER DELIVERY (PD 3.0)

100W input, max 15W(5V 3A) output



EXTERNAL DEVICES

SSDs, VR headsets; etc.

Image: Triple display setup with the Mini PC.

8. HEAT DISSIPATION & NOISE

The Mini PC incorporates advanced phase change materials and active heat sinks for the CPU, memory, and hard drives, ensuring efficient and stable heat dissipation. It operates at a low noise level of under 36 decibels.

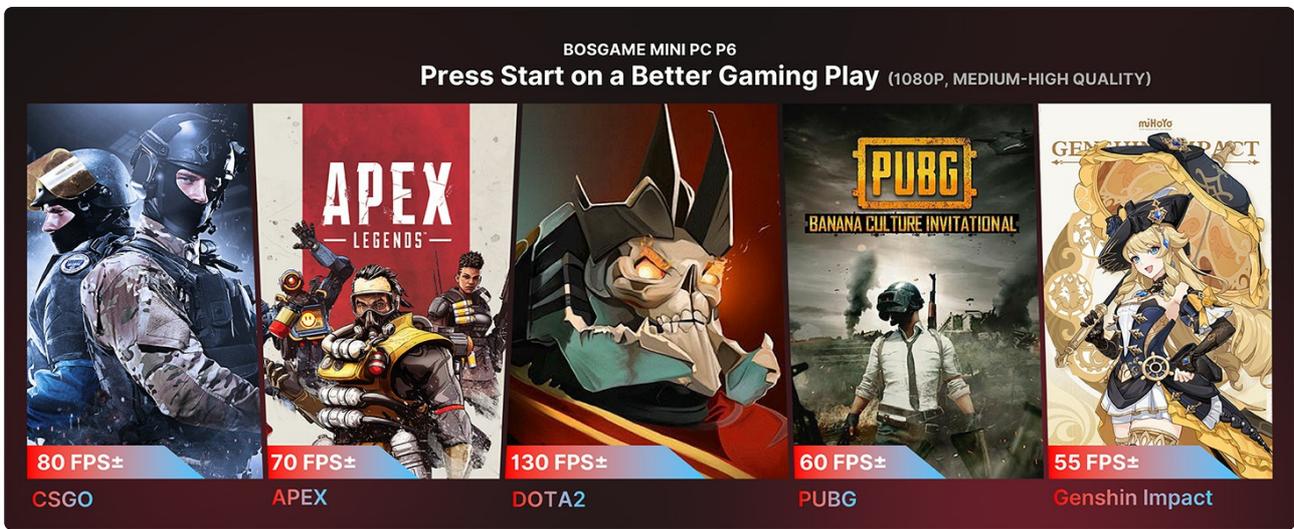


Image: Internal view of the heat dissipation system.

9. USAGE SCENARIOS

The BOSGAME P6 Mini PC is versatile and suitable for a wide range of applications:

- **Office & Business:** Efficient for daily office tasks, presentations, and multitasking.
- **Creative Work:** Capable of handling photo and video editing, graphic design, and other demanding creative applications.
- **Light Gaming:** Enjoy various games at suitable settings thanks to the integrated Radeon 680M graphics.
- **Home Theater:** Connect to your TV for streaming 4K content and multimedia playback.
- **Home Server:** Utilize dual LAN ports for network attached storage (NAS) or other server applications.

WI-FI 6E+BLUETOOTH: 5.3

IMPROVE WIRELESS PERFORMANCE



Image: Examples of the Mini PC in different work and entertainment settings.

Video: Demonstrates the compact size and versatile functionality of the P6 Mini PC in various environments.

10. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 9 6900HX (8C/16T, up to 4.9GHz)
Graphics	AMD Radeon 680M
RAM	32GB LPDDR5X (6400MHz)

Storage	1TB M.2 NVMe PCIe 4.0 x4 SSD (Expandable up to 4TB)
Operating System	Windows 11 Pro (pre-installed), compatible with Ubuntu
Video Output	HDMI 2.0 (4K@60Hz), DisplayPort (4K@60Hz), USB-C (4K@60Hz)
USB Ports	2x USB 3.2 Gen2 (front), 1x USB 3.2 Gen2 (rear), 1x USB 2.0 (rear), 1x Full-function USB-C
Network	Dual 1000Mbps Gigabit Ethernet, Wi-Fi 6E, Bluetooth 5.3
Dimensions	129 x 123 x 44 mm
Weight	2.81 pounds

11. TROUBLESHOOTING

11.1 No Display Output

- Ensure all display cables (HDMI, DisplayPort, USB-C) are securely connected to both the Mini PC and the monitor.
- Verify that the monitor is powered on and set to the correct input source.
- Try connecting to a different display port or using a different cable.

11.2 No Power

- Check if the power adapter is correctly connected to the Mini PC and a working power outlet.
- Ensure the power outlet is functional by testing it with another device.

11.3 Bluetooth 5.3 Not Active

- Download and install the latest Bluetooth 5.3 driver from the official Intel website.

12. WARRANTY & SUPPORT

All BOSGAME Mini Desktop PCs are covered by a 12-month assurance period. For any questions or support needs, please contact us through the following methods:

- **Contact via Amazon:** Log into your Amazon buyer's account, find your order, and click 'Get help' for product-specific assistance.
- **Email Support:** Send an email to the After-sales Support Team at support@bosgame.com. You will receive a response as soon as possible.