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BOSGAME P3

BOSGAME P3 Mini PC User Manual

Model: P3

Introduction

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your BOSGAME P3 Mini PC. Designed for high performance and versatility, the P3 Mini PC is equipped with an AMD Ryzen 9 6900HX processor, 16GB DDR5 RAM, and a 512GB NVMe SSD, making it suitable for a wide range of applications from everyday computing to gaming and professional tasks.

Package Contents

Please verify that all items are present in the package:

- BOSGAME P3 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount with Screws
- User Manual (this document)

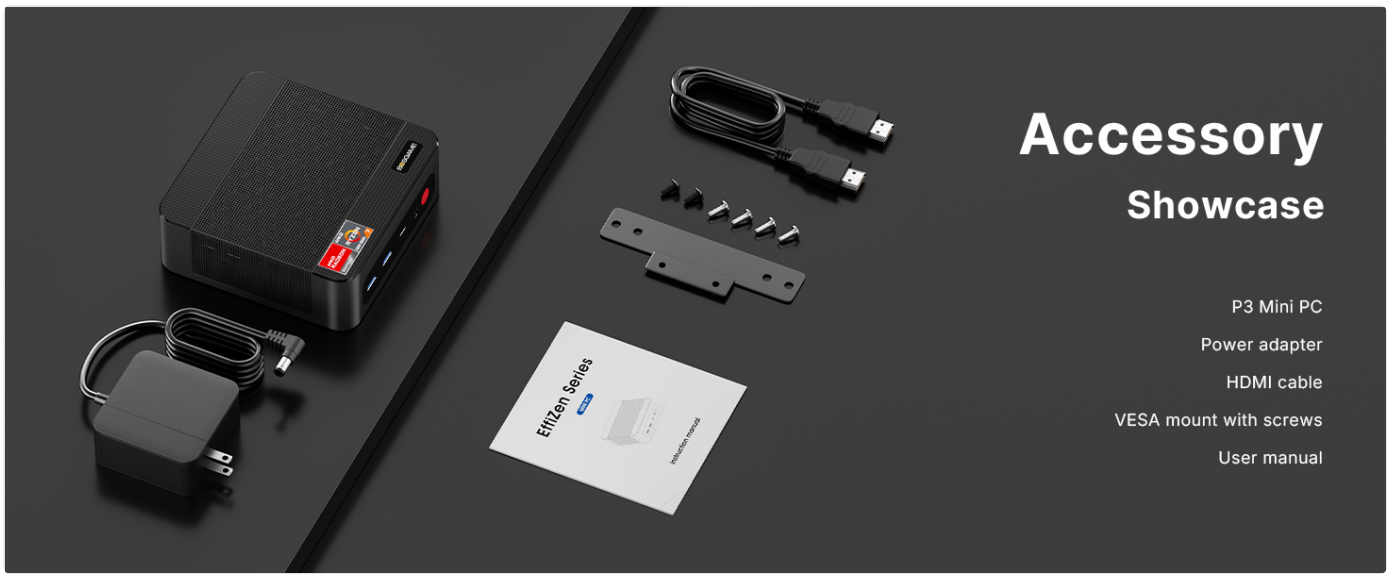

Image: Contents of the BOSGAME P3 Mini PC package, including the mini PC unit, power adapter, HDMI cable, VESA mount, and user manual.

Product Overview

The BOSGAME P3 Mini PC is a compact yet powerful desktop computer designed for efficiency and performance. It features a robust AMD Ryzen 9 6900HX processor, integrated AMD Radeon 680M GPU, and ample memory and storage options.

Front Panel

- **USB 3.2 Ports:** Two high-speed USB ports for connecting peripherals.
- **USB 4.0 Port:** A versatile port supporting up to 40Gbps data transfer, charging, and multiple monitor output.
- **Audio Jack:** For headphones or external speakers.
- **Power Button:** To turn the device on/off.

Rear Panel

- **DC Power Input:** Connect the provided power adapter here.
- **2.5GbE LAN Ports:** Two Ethernet ports for high-speed wired network connections.
- **HDMI Port:** For connecting to displays.
- **DisplayPort (DP):** For connecting to displays.
- **USB 3.2 Port:** Additional high-speed USB port.
- **USB 2.0 Port:** Standard USB port for peripherals.

Image: Detailed view of the front and rear panels of the BOSGAME P3 Mini PC, highlighting the various input/output ports including USB, LAN, HDMI, and DisplayPort.

Your browser does not support the video tag.

Video: An overview video showcasing the BOSGAME P3 Mini PC, its compact design, and various features including its powerful processor and connectivity options.

Setup Guide

Initial Connection

1. **Connect to Display:** Use the provided HDMI cable or a DisplayPort cable to connect the Mini PC to your monitor or TV. The Mini PC supports up to triple 4K displays or a single 8K display.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
3. **Connect to Network:** For wired internet, connect an Ethernet cable to one of the 2.5GbE LAN ports. For wireless internet, the device supports WiFi 6E.

4. **Connect Power:** Connect the power adapter to the DC power input on the rear panel, then plug the adapter into a power outlet.
5. **Power On:** Press the power button on the front panel to turn on the Mini PC.

Operating System Setup

The BOSGAME P3 Mini PC comes pre-installed with Windows 11 Pro. Follow the on-screen instructions to complete the initial setup of the operating system, including language selection, network configuration, and user account creation.

Operating Instructions

Basic Operation

- **Power On/Off:** Press the power button once to turn on. To turn off, use the shutdown option in Windows or press and hold the power button for 5 seconds.
- **Restart:** Use the restart option in Windows.
- **Sleep Mode:** Use the sleep option in Windows or briefly press the power button while the PC is on.

Connectivity

- **Wi-Fi 6E:** Connect to available Wi-Fi networks through the Windows network settings.
- **Bluetooth 5.2:** Pair Bluetooth devices like headphones, keyboards, or mice via Windows Bluetooth settings.
- **USB 4.0:** This port supports high-speed data transfer, video output, and power delivery. It can be used to connect external graphics cards or docking stations.

Image: The BOSGAME P3 Mini PC set up on a desk, demonstrating its compact size and connectivity to a monitor, keyboard, and mouse, highlighting its suitability for various daily tasks.

Maintenance

Cleaning

- Use a soft, dry cloth to clean the exterior of the Mini PC.
- For dust accumulation in vents, use compressed air. Ensure the device is powered off before cleaning.
- Avoid using liquid cleaners or abrasive materials.

Hardware Upgrades

The BOSGAME P3 Mini PC supports upgrades for RAM and NVMe SSDs. It features dual channel SO-DIMM DDR5 slots supporting up to 64GB and dual NVMe PCIe 4.0 x4 2280 SSD slots supporting up to 8TB.

1. **Power Off and Disconnect:** Ensure the Mini PC is completely powered off and all cables are disconnected.
2. **Access Internal Components:** Carefully remove the bottom cover of the Mini PC. Refer to the video below for detailed instructions.
3. **Install/Replace Components:** Insert or replace the DDR5 RAM modules or NVMe SSDs into their respective slots. Ensure they are seated correctly.
4. **Secure Cover:** Reattach the bottom cover and secure it with screws.

Your browser does not support the video tag.

Video: This video demonstrates the process of installing DDR5 RAM and NVMe SSDs in the BOSGAME P-Series Mini PC, providing a visual guide for hardware upgrades.

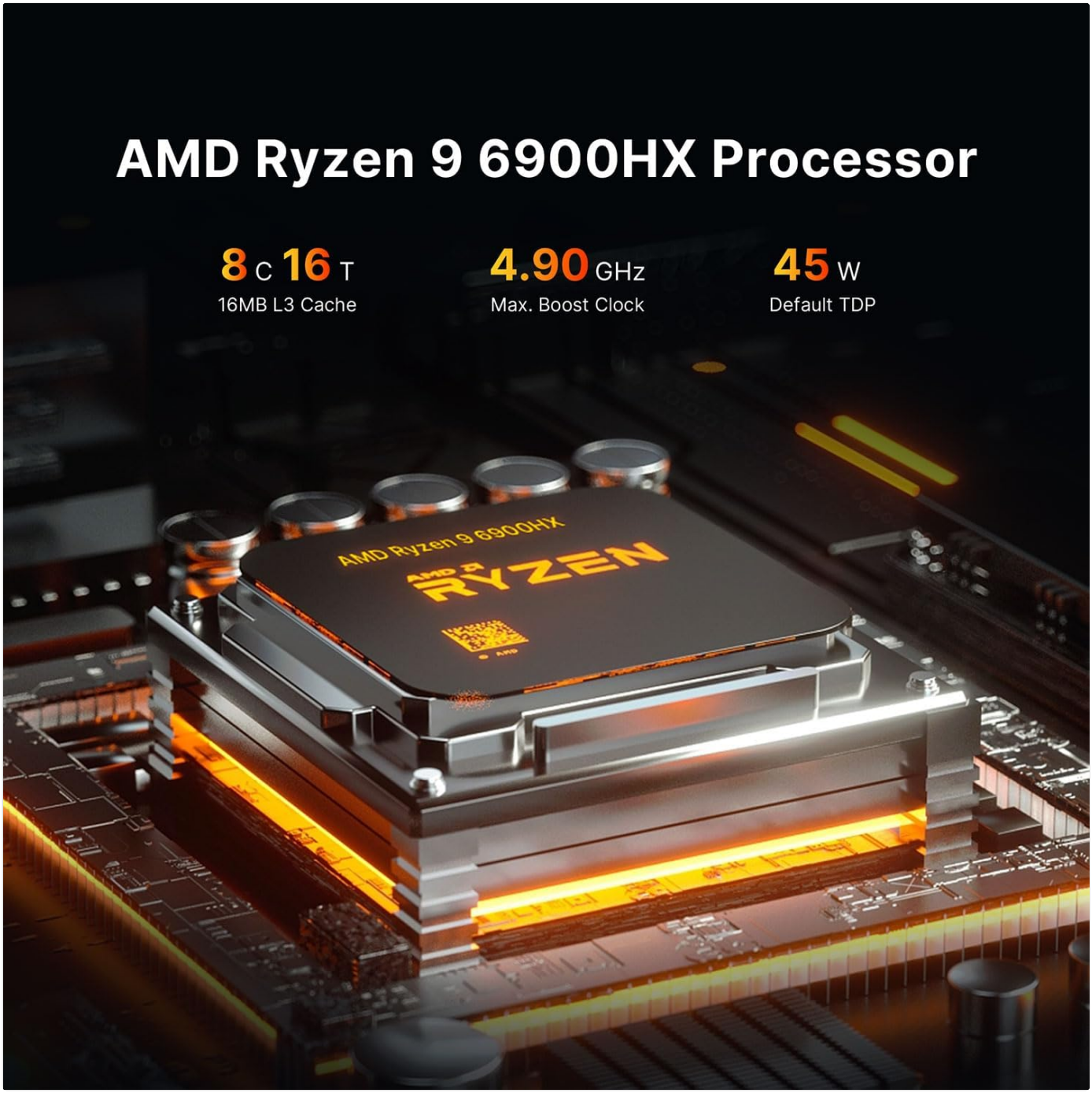

Image: An internal view of the BOSGAME P3 Mini PC, clearly showing the slots for DDR5 RAM and NVMe SSD, illustrating the upgrade possibilities.

Troubleshooting

Problem	Possible Cause	Solution
No power/Does not turn on	Power adapter not connected or faulty; Power outlet issue.	Ensure power adapter is securely connected to both the PC and the outlet. Try a different power outlet.
No display output	Incorrect cable connection; Monitor input not selected; Faulty cable/monitor.	Check HDMI/DP cable connections. Ensure monitor is set to the correct input source. Try a different cable or monitor.
Wi-Fi/Bluetooth not working	Drivers not installed or corrupted; Wireless features disabled.	Check device manager for driver issues. Ensure Wi-Fi/Bluetooth is enabled in Windows settings. Reinstall drivers if necessary.
Slow performance	Too many applications running; Insufficient RAM/SSD space; Overheating.	Close unnecessary applications. Check task manager for resource usage. Consider upgrading RAM or SSD. Ensure proper ventilation.

Specifications

- **Processor:** AMD Ryzen 9 6900HX (8 Cores, 16 Threads, up to 4.9GHz Boost Clock)
- **Graphics:** Integrated AMD Radeon 680M GPU (12 CUs at up to 2.4GHz)
- **RAM:** 16GB DDR5 (Dual channel SO-DIMM, expandable up to 64GB)
- **Storage:** 512GB NVMe PCIe 4.0 x4 2280 SSD (Dual slots, expandable up to 8TB)
- **Networking:** Dual 2.5GbE LAN Ports, Wi-Fi 6E (802.11ax), Bluetooth 5.2
- **Ports:**
  - 1x USB 4.0 (Full-function: 40Gbps, 8K Display, PD 3.0 Power Supply)
  - 3x USB 3.2
  - 1x USB 2.0
  - 2x 2.5GbE LAN
  - 1x HDMI
  - 1x DisplayPort (DP)
  - 1x Audio Jack
  - 1x DC Power Input
- **Operating System:** Windows 11 Pro
- **Dimensions:** Approximately 9.02 x 5.63 x 2.64 inches
- **Weight:** Approximately 2.59 pounds

Warranty and Support

BOSGAME offers a 1-year limited warranty for the P3 Mini PC, effective from the date of purchase. This warranty covers defects due to design and workmanship. For technical support, warranty claims, or any inquiries, please contact BOSGAME customer service through their official channels or visit their brand store on Amazon:
BOSGAME Store: https://www.amazon.com/stores/BOSGAME/page/66639804-4D20-4901-A26F-0E6FE3715282

You can also find additional resources and contact information on their official social media channels:

- Instagram
- YouTube
- Twitter
- Facebook

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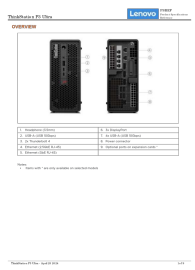
Related Documents - P3

	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.
	Lenovo ThinkStation P3 Gen 2 Memory Configurator Guide A comprehensive guide to configuring memory for Lenovo ThinkStation P3 Tower Gen 2, P3 Tiny Gen 2, and P3 Ultra SFF Gen 2 workstations. Learn about architectural designs, memory configurations, and platform-specific limitations for optimal performance.
	ASUS Notebook PC E-Manual: Setup, Usage, and Troubleshooting Guide Comprehensive e-manual for ASUS Notebook PCs, covering hardware setup, Windows operation, troubleshooting, FAQs, and safety precautions. Learn to maximize your device's performance and lifespan.
	Lenovo ThinkStation P3 Tiny: Setup Guide and Technical Specifications Comprehensive guide for the Lenovo ThinkStation P3 Tiny workstation, covering port configurations, expansion module options, and radio frequency compliance. Includes details on graphics, networking, and connectivity for professional use.
	Lenovo ThinkStation P3 Ultra Workstation: Comprehensive Specifications Detailed product specifications for the Lenovo ThinkStation P3 Ultra workstation, covering performance, graphics, memory, storage, connectivity, security, environmental factors, and certifications.