

Beelink GTR9

Beelink GTR9 Pro Mini PC User Manual

Model: GTR9

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Beelink GTR9 Pro Mini PC. The GTR9 Pro is a high-performance mini computer featuring an AMD Ryzen AI Max+ 395 CPU, AMD Radeon 8060S GPU, 128GB RAM, and 2TB SSD, designed for demanding tasks such as video editing, 3D design, gaming, and AI applications.



Image: Front view of the Beelink GTR9 Pro Mini PC, showcasing its compact design and front ports.

PACKAGE CONTENTS

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

- 1 x Beelink GTR9 Pro Mini PC
- 1 x 100cm HDMI Cable
- 1 x 150cm AC Power Cable (US Standard)
- 1 x User Manual

SETUP INSTRUCTIONS

1. Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the appropriate ports on the Mini PC.

- **Display Connection:** Use the HDMI 2.1, DisplayPort 2.1, or USB4 ports to connect up to four 8K displays.
- **USB Devices:** Connect your keyboard, mouse, and other USB devices to the available USB ports.



Image: Diagram illustrating the comprehensive ports on the Beelink GTR9 Pro, including USB4, HDMI, DisplayPort, LAN, and audio jacks.

2. Power Connection

Connect the AC power cable to the power input on the Mini PC, then plug the other end into a power outlet.

3. Initial Power On

Press the power button located on the front of the Mini PC. The system will boot up, and the operating system (Windows 11 Pro) will begin its initial setup process. Follow the on-screen prompts to complete the Windows setup.

4. Network Connection

- **Wired Connection:** Connect an Ethernet cable to one of the dual 10GbE LAN ports on the back of the Mini PC.
- **Wireless Connection:** The Mini PC supports WiFi 7. During Windows setup or via network settings, select your Wi-Fi network and enter the password.

Super Fast & Stable Wireless Connectivities

WIFI 5 **vs** WIFI 6/6E **vs** WIFI 7

	WIFI 5	WIFI 6/6E	WIFI 7
IEFF Standard	802.11ac	802.11ax	802.11be
Max Speed With 1 Spatial System	866.7 Mbps	12.Gbps	2.9 Gbps
Max Speed With 2 Spatial System	1.73 Gbps	2.5 Gbps	5.8 Gbps
Max Speed With Max # Spatial System	6.92 Gbps	9.6.Gbps	46.4 Gbps



Image: Illustration highlighting the WiFi 7 and Bluetooth 5.4 capabilities of the Beelink GTR9 Pro Mini PC.

OPERATING INSTRUCTIONS

1. Basic Operation

Once the initial setup is complete, your Beelink GTR9 Pro is ready for use. Navigate the Windows 11 Pro operating system using your connected keyboard and mouse.

2. Fingerprint Unlock

The Mini PC features a fingerprint sensor for secure login. To set up fingerprint recognition, go to Windows Settings > Accounts > Sign-in options and follow the instructions to add your fingerprint.

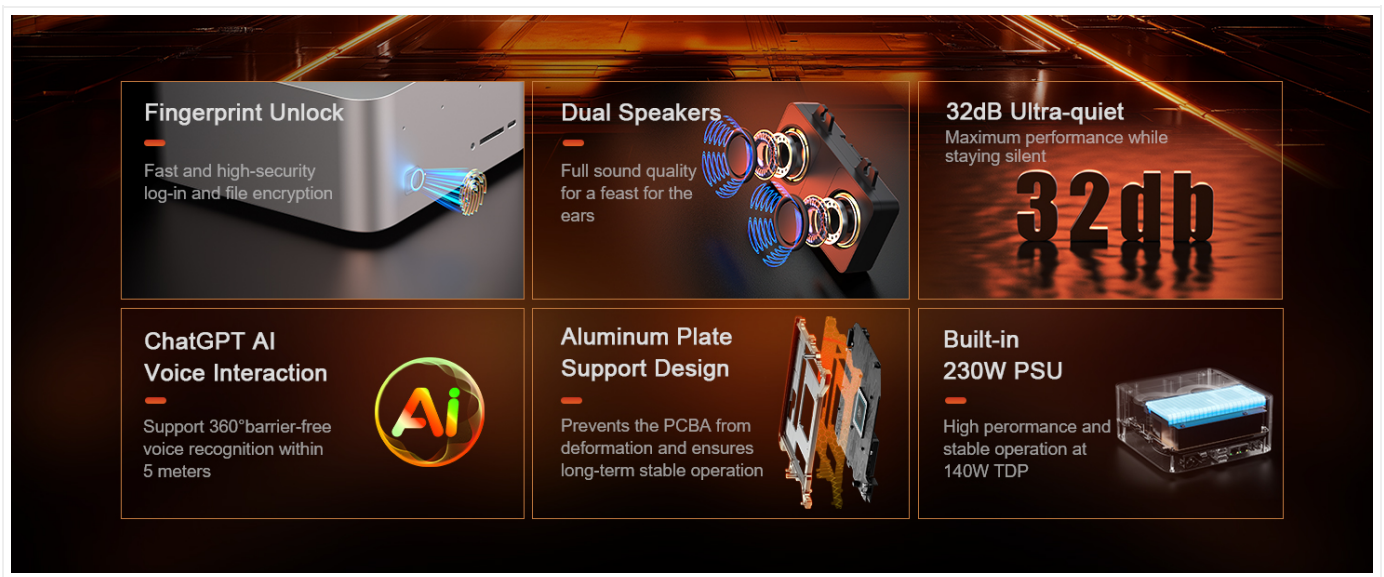


Image: Overview of Beelink GTR9 Pro features, including fingerprint unlock, dual speakers, and quiet cooling.

3. AI Voice Interaction

Utilize the built-in microphone with AI voice interaction for hands-free control and commands. The advanced AI chip provides 360° omnidirectional pickup within 5 meters and intelligent noise reduction.

Microphone Array+B1 AI Chip+Dual Speaker

Intelligent noise reduction technology, support
360° barrier-free voice recognition within 5 meters



Image: A user interacting with the Beelink GTR9 Pro Mini PC using voice commands, demonstrating the AI voice interaction feature.

4. Storage Expansion

The GTR9 Pro includes dual M.2 2280 PCIe 4.0 slots, supporting up to 8TB of additional storage. Refer to the hardware upgrade guide for detailed instructions on installing additional SSDs.

Powerful AMD Radeon 8060S Graphics

High performance enables smooth AAA gameplay and efficient encoding/decoding for AVC, HEVC, VP9, and AV1 video codecs.

RDNA 3.5 Architecture **2.9GHz** GPU Frequency **2560** Stream Processors **40** Compute Units

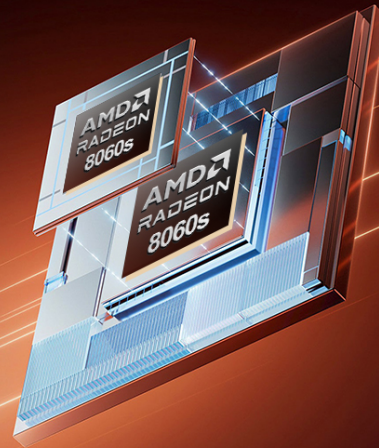


Image: Internal view of the Beelink GTR9 Pro showing the dual M.2 2280 PCIe 4.0 SSD slots for storage expansion.

Additionally, the built-in SD 4.0 card slot supports speeds up to 321MB/s for quick data transfer from memory cards.

Comparable to the Performance of A Mobile RTX 4070 dGPU

3D Mark Data Comparison

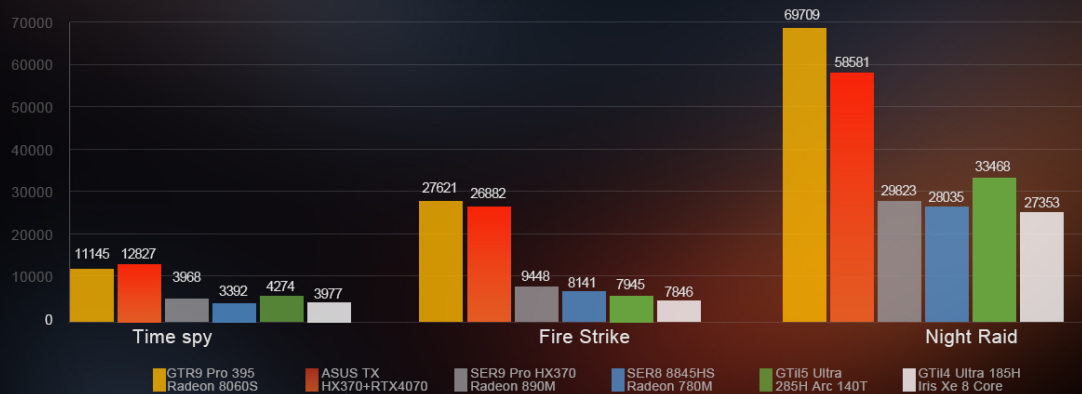


Image: A Beelink GTR9 Pro Mini PC on a desk with an SD card inserted, illustrating the built-in SD 4.0 card slot.

MAINTENANCE

1. Cooling System

The GTR9 Pro features a 140W ultra-quiet cooling system with dual-turbine fans and a unified vapor chamber. To ensure optimal performance and longevity, keep the ventilation openings clear of obstructions. Periodically clean dust from the exterior vents using compressed air.

2. General Care

- Avoid exposing the Mini PC to extreme temperatures, humidity, or direct sunlight.
- Use a soft, dry cloth for cleaning the exterior. Do not use liquid cleaners.
- Ensure the device is placed on a stable, flat surface to prevent accidental falls.

TROUBLESHOOTING

If you encounter issues with your Beelink GTR9 Pro, refer to the following common troubleshooting steps.

• **No Power:**

- Ensure the power cable is securely connected to both the Mini PC and the power outlet.
- Verify the power outlet is functional by plugging in another device.

• **No Display:**

- Check that the HDMI or DisplayPort cable is firmly connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try a different display cable or monitor if available.

• **Network Connectivity Issues:**

- For wired connections, check the Ethernet cable and router status.
- For wireless connections, ensure Wi-Fi is enabled in Windows settings and that you are connected to the correct network with the correct password.
- Restart your router/modem.

• **System Unresponsive:**

- Press and hold the power button for 5-10 seconds to force a shutdown, then restart the Mini PC.

For further assistance, please contact Beelink customer support.

SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen AI Max+ 395 (16 Zen 5 CPU cores, 5.1 GHz Turbo Frequency, 126 AI TOPS)
Graphics	AMD Radeon 8060S Graphics (RDNA 3.5 Architecture, 40 CUs, 2.9 GHz GPU Frequency)
RAM	128GB LPDDR5X-8000 RAM
Storage	2TB Crucial SSD (Dual M.2 2280 PCIe 4.0 slots, expandable up to 8TB)
Operating System	Windows 11 Pro
Network	Dual 10GbE LAN, WiFi 7 (802.11be), Bluetooth 5.4
Video Output	HDMI 2.1, DisplayPort 2.1, Dual USB4 (40Gbps/8K@60Hz) - Supports Quad 8K Displays
Ports	Dual USB4 (40Gbps), USB 3.2 Gen2, SD 4.0 Card Slot, 3.5mm Audio Jack
Cooling	140W Ultra-Quiet Cooling (Dual-Turbine Fans + Unified Vapor Chamber)
Dimensions	7.09 x 7.09 x 3.58 inches
Weight	7.19 pounds



Image: An infographic summarizing key features and specifications of the Beelink GTR9 Pro Mini PC.

WARRANTY AND SUPPORT

Beelink provides comprehensive support for your GTR9 Pro Mini PC.

- **Warranty:** The product includes a 12-month warranty.
- **Technical Support:** Lifetime technical support is provided.

- **Customer Service:** 7 days a week, 24 hours a day customer service is available.
- **Replacements:** New replacements are provided for Beelink mini PCs during the warranty period.

To contact support or inquire about warranty services, please refer to the contact information provided with your purchase or visit the official Beelink website.

IMPORTANT SAFETY INFORMATION

- Do not open the Mini PC casing unless instructed by qualified personnel.
- Use only the provided power adapter.
- Keep the device away from water, fire, and high temperatures.
- Dispose of electronic waste responsibly according to local regulations.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Details

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