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Beelink GTi13 13900HK

Beelink GTi13 Mini PC User Manual

Model: GTi13 13900HK | Brand: Beelink

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Beelink GTi13 Mini PC. Please read it thoroughly before using the device and retain it for future reference. The Beelink GTi13 Mini PC is a high-performance mini computer designed for demanding tasks, featuring an Intel Core-i9 13900HK processor, 32GB DDR5 RAM, and a 1TB SSD.

2. PRODUCT OVERVIEW

The Beelink GTi13 Mini PC is a compact yet powerful computing solution. It integrates advanced components and innovative features to deliver high performance and a seamless user experience.

2.1 Key Features

- **Processor:** Intel Core i9-13900HK (14C/20T, up to 5.4GHz) with Hybrid Architecture.
- **Memory:** 32GB DDR5 RAM (5200MHz base frequency, expandable up to 96GB).
- **Storage:** 1TB SSD (up to 7000 MB/s read speed, expandable up to 8TB).
- **Graphics:** Intel Iris Xe Graphics.
- **Connectivity:** 2x 2.5G LAN ports, WiFi6 (Intel AX200 chip), Bluetooth 5.2.
- **Ports:** Thunderbolt 4 (100W PD, 40Gbps data, video output), 5x USB3 (10Gbps), 1x USB-C (10Gbps), 1x DP1.4, 1x HDMI, SD card slot.
- **Special Features:** AI voice interaction (built-in B1 AI chip, dual speakers), Fingerprint sensor, Dust-proof design, MSC2.0 cooling system.

2.2 Component Identification



GTi13 13900HK

14
core

20
Thread

24_{MB}
Intel Smart Cache

PCIe_{x8}

3connection methods

WIFI 6 BT 5.2 2*2.5G LAN

Max Turbo Frequency
CPU
Max 504GHz

Maximum single-slot capacity
1TB SSD
4TB/2*Slot/MAX8TB

MSC2.0 Cooling System

2*Slot MAX 96GB
32GB DDR5 5200MHz

HDMI + DP + Thunderbolt 4
Triple display



Image: Front and rear view of the Beelink GTi13 Mini PC, highlighting various ports and features. The front panel includes USB 3.0 ports, a 3.5mm audio jack, and the power button with an integrated fingerprint sensor. The rear panel features the AC power input, Thunderbolt 4 ports, HDMI, DisplayPort, 2.5G LAN ports, and additional USB 3.0 ports.

High Frequency And low latency + large Capacity Expansion



System Disk:

-- M.22280 PCIe4.0x4
--- (Max 4TB)*1



Storage Disk:

-- M.2 2280 PCIe4.0x4
--- (Max 4TB)*1



32GB DDR5 5200MHz

--- 2*Slot MAX 96GB



Image: Internal view of the Beelink GT13 Mini PC, showing the dual DDR5 SO-DIMM slots and M.2 SSD slots. This illustrates the upgradeability of the RAM and storage components.

Intel Core i9 13900HK Mini PC

Unlock Endless Possibilities

5.4GHz

MAX Turbo
Frequency

14

Cores

20

Threads

GPU

MAX 1.5GHz

CPU MARK

Intel Core
i9-13900HK

29907

Intel Core
i9-12900H

27502

Intel Core
Ultra 7 155H

24957

Intel Core
i5-12450H

16497

Image: A diagram illustrating the Intel Core i9-13900HK processor, highlighting its 14 cores, 20 threads, and maximum turbo frequency of 5.4GHz. This visual emphasizes the high-performance capabilities of the CPU.

2.3 Product Video Overview

Your browser does not support the video tag.

Video: An official product video from Beelink showcasing the GTi13 13900HK Mini PC, highlighting its design, features, and potential uses in a home or office environment.

3. SETUP

Follow these steps to set up your Beelink GTi13 Mini PC for the first time.

3.1 Initial Connections

- 1. Power Connection:** Connect the power cable to the AC IN port on the rear of the Mini PC and then to a power outlet.
- 2. Display Connection:** Connect your monitor(s) to the HDMI, DisplayPort (DP1.4), or Thunderbolt 4 ports using appropriate cables. The Mini PC supports up to three displays simultaneously.

3. **Peripheral Connection:** Connect your keyboard, mouse, and other USB devices to the available USB 3.0 or USB-C ports.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to one of the 2.5G LAN ports. For wireless, ensure your WiFi network is available.



Image: The Beelink GTi13 Mini PC connected to three external monitors, demonstrating its triple display output capability for enhanced productivity or multi-tasking.

3.2 Operating System Setup

Your Beelink GTi13 Mini PC comes pre-installed with Windows 11 Pro. Upon first boot, you will be guided through the initial Windows setup process, including language selection, network configuration, and user account creation. Follow the on-screen instructions to complete the setup.

4. OPERATING INSTRUCTIONS

This section covers the basic operation of your Mini PC.

4.1 Power On/Off

- **Power On:** Press the power button on the front panel. The white indicator light will illuminate.
- **Power Off:** From Windows, go to Start > Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

4.2 Network Connectivity

- **Wired (LAN):** Connect an Ethernet cable to one of the 2.5G LAN ports for high-speed internet access.
- **Wireless (WiFi6):** The Mini PC supports WiFi6 for fast and stable wireless connections. Access WiFi settings through Windows to connect to your preferred network.
- **Bluetooth 5.2:** Use Bluetooth 5.2 to connect wireless peripherals such as keyboards, mice, and headphones.

4.3 Display Configuration

The Beelink GTi13 supports triple display output via HDMI, DisplayPort, and Thunderbolt 4. You can configure display settings (resolution, orientation, extended/duplicated desktop) through Windows Display Settings.

4.4 AI Voice Interaction & Fingerprint Sensor

- **AI Voice Interaction:** The built-in B1 AI chip and dual speakers enable 360° barrier-free voice recognition within 5 meters, suitable for smart home control and multi-person conferences.
- **Fingerprint Sensor:** The integrated fingerprint sensor on the power button provides fast and secure login, enhancing file encryption functions.

PCIe x8 Slot For External High-Performance Discrete Graphics Card

Adapt to Beelink EX Pro Docking Station, support graphics cards RTX4070 series, RX7000 series



PCIe x8 Slot

Image: An illustration of the Beelink GTi13 Mini PC's AI voice interaction capabilities, showing its use in a conference setting with 360° sound pickup and noise reduction.



Image: A close-up of the fingerprint sensor integrated into the power button of the Beelink GTi13 Mini PC, demonstrating its convenient and secure login feature.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

5.1 Cooling System

The MSC2.0 cooling system features a low-speed silent fan and a dust-proof design. This design helps reduce heat dissipation issues and prevents performance degradation caused by dust accumulation. Ensure proper airflow around the device and avoid blocking ventilation openings.

Product Specifications

Dimension	158*158*55.8mm(Without Rubber Feet)	Color: Frost Silver/Space Gray
CPU	Intel® Core™ i9-13900HK Processor(14C/20T, Max Turbo Frequency 5.4GHz, 24MB Intel Smart Cache)	
Graphics	Intel® Iris® Xe Graphics eligible 1.50GHz	
System Disk	M.2 2280 PCIe4.0 x4 (Max 4TB)*1	
Storage Disk	M.2 2280 PCIe4.0 x4 (Max 4TB)*1	
Internal Slot	SO-DIMM DDR5 5200MHz Slot*2	
Interface	AC*1+USB3(10Gbps)*5+SD Card Slot*1+LAN 2.5G*2 +3.5mm Audio Jack*2+PCIe x8 Slot*1+USB-C(10Gbps)*1+DP1.4a*1+HDMI*1+USB-C(40Gbps/PD/DP1.4)*1	
Network	WiFi6(Intel AX200); Bluetooth 5.2	
Power Indicator Light	1	
Power Button	1	
Adapter	Input: 100-240V~ ; 50-60Hz; 1.9A	
Operating Environment	Temperature: -10°C-45°C, Humidity: 30%-90%	
Storage Environment	Temperature: -10°C-60°C, Humidity: 10%-90%	
Accessories	HDMI Cable 100cm , User Manual, AC Cable	
Additional Functions	Voice Interactions, Built-in PSU, Built-in Microphone, Built-in Speakers, Support External Discrete Graphics Card, Auto Power On, WOL	

Image: An exploded view illustrating the MSC2.0 cooling system of the Beelink GTi13 Mini PC, showing the fan and heat dissipation components designed for efficient thermal management.

5.2 RAM and SSD Upgrades

The Mini PC is equipped with dual SO-DIMM slots for DDR5 RAM, supporting up to 96GB. It also features dual M.2 SSD slots, allowing for storage expansion up to 8TB. Refer to the detailed instructions in the full user manual for safe installation of upgrades.

6. TROUBLESHOOTING

If you encounter issues with your Beelink GTi13 Mini PC, refer to the following common solutions.

- **No Power:** Ensure the power cable is securely connected to both the Mini PC and the power outlet. Try a different power outlet.
- **No Display:** Check all display cable connections. Ensure your monitor is set to the correct input source. Try connecting to a different display port or monitor.
- **No Internet (Wired):** Verify the Ethernet cable is properly connected. Check your router/modem status.
- **No Internet (Wireless):** Ensure WiFi is enabled in Windows settings. Check if your WiFi network is visible and

enter the correct password.

- **BIOS Access:** To access the BIOS settings, press the **Del** key repeatedly during startup.
- **Power Management:** In BIOS, navigate to Advanced > Power Management Configuration to adjust settings like Power-On after Power-Fail, PowerOn by RTC Alarm, and Wake Up by LAN.
- **Fan Control:** In BIOS, go to Advanced > Hardware Health Configuration to adjust fan speed control settings.

7. SPECIFICATIONS

Feature	Detail
Processor	Intel Core i9-13900HK (14C/20T, up to 5.4 GHz)
RAM	32 GB DDR5 (5200 MHz)
Hard Drive	1 TB SSD (PCIe x4 interface)
Graphics Coprocessor	Intel Iris Xe Graphics
Operating System	Windows 11 Pro
Wireless Type	WiFi6 (2.4 GHz, 5 GHz), Bluetooth 5.2
USB 3.0 Ports	5
Thunderbolt 4	1 (100W PD, 40Gbps data, video output)
USB-C	1 (10Gbps)
LAN Ports	2x 2.5G LAN
Video Output	1x DP1.4, 1x HDMI (Supports Triple Display)
Audio Jack	3.5mm Audio Jack
SD Card Slot	1
Item Weight	4.33 pounds
Product Dimensions	6.22 x 6.22 x 2.19 inches

7.1 What's in the Box

- 1x Beelink GTi13 13900HK Mini PC
- 1x HDMI Cable (100cm)
- 1x AC Power Cable
- 1x User Manual

8. WARRANTY AND SUPPORT

Your Beelink GTi13 Mini PC comes with a **3-Year Protection Plan**. For technical assistance, troubleshooting, or warranty claims, please contact Beelink customer support through their official channels. Refer to the product packaging or official Beelink website for contact information.

