

GEEKOM IT13 MAX

GEEKOM IT13 MAX AI Mini PC User Manual

Model: IT13 MAX

INTRODUCTION

This manual provides comprehensive instructions for the GEEKOM IT13 MAX AI Mini PC. It covers initial setup, operational guidelines, maintenance procedures, troubleshooting tips, and detailed product specifications. Please read this manual thoroughly to ensure proper use and optimal performance of your device.

The GEEKOM IT13 MAX is a high-performance mini PC featuring the Intel Core Ultra 9 185H processor, Intel Arc Graphics, 16GB DDR5 RAM, and a 1TB SSD. It comes pre-installed with Windows 11 Pro and supports up to four 8K displays, making it suitable for demanding tasks such as video editing, software development, and multi-monitor setups.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x GEEKOM IT13 MAX Mini PC
- 1 x HDMI Cable
- 1 x Power Adapter
- 1 x User Manual (this document)
- 1 x VESA Mount

Intel Core Ultra 9 185H 16 Cores, 22 Threads, Up to 5.1 GHz 		Intel Arc Graphics XeSS, Ray Tracing DirectX 12 Ultimate OpenCL 3.0 Supports AV1 	
 16GB DDR5 SODIMM, up to 96GB		 Pre-installed Windows 11 Pro	
 M.2 2280 NVMe PCIe Gen 4x4 SSD, up to 4TB			
 M.2 2242 SATAIII SSD slot, up to 4TB		 Energy Saving	
Dual 2.5G RJ45 LAN 		Efficient Cooling Low Noise 	
 Wi-Fi 7		Quad Display Support, up to 8K 	
		 Bluetooth 5.4	
		Compact Design 5.36 in×5.20 in×1.97 in	
		 Industry-leading 3 Years Quality Support	

Image: GEEKOM IT13 MAX Mini PC with power adapter, HDMI cable, and VESA mount.

SETUP INSTRUCTIONS

1. Connect Peripherals:

Connect your keyboard, mouse, and monitor(s) to the available USB and HDMI/USB4 ports on the mini PC. The IT13 MAX supports up to four displays (8K via USB-C + 4K via HDMI).

Quad Screens in Sync, All in 8K



Image: Front and rear view of the GEEKOM IT13 MAX Mini PC showing port layout, including USB 3.2 Gen2 Type-A, USB4 Type-C, 3.5mm headset jack, power button, SD 4.0 card slot, DC in, 2.5G LAN RJ45, HDMI 2.0, USB 2.0 Type-A, and Kensington Lock.

2. Power Connection:

Connect the provided power adapter to the DC-in port on the mini PC, then plug the adapter into a power outlet.

3. Initial Boot:

Press the power button located on the front of the device. The system will boot into Windows 11 Pro. Follow the on-screen instructions to complete the initial Windows setup.

4. Network Connection:

Connect to the internet via Wi-Fi 7 or by plugging an Ethernet cable into one of the dual 2.5GbE LAN ports.

Next-Level Speed Meets Seamless Connectivity

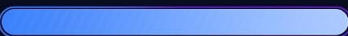

WI-FI 7

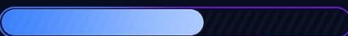

Bluetooth 5.4

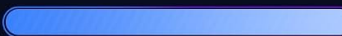

USB 4

WIFI 7



BT 5.4 

BT 5.2 

WiFi 7  5.8Gbps

WiFi 6  2.4Gbps

Image: Close-up of the GEEKOM IT13 MAX Mini PC highlighting the dual 2.5G LAN ports for network connectivity.

5. VESA Mount Installation (Optional):

If desired, use the included VESA mount to attach the mini PC to the back of a compatible monitor or to a wall mount. Refer to the VESA mount instructions for detailed installation steps.

OPERATING INSTRUCTIONS

Power On/Off

- **Power On:** Press the power button once.
- **Shut Down:** In Windows, go to Start > Power > Shut down.
- **Restart:** In Windows, go to Start > Power > Restart.
- **Sleep:** In Windows, go to Start > Power > Sleep.

Display Configuration

The GEEKOM IT13 MAX supports up to four displays simultaneously. Connect your monitors to the available HDMI 2.0 and USB4 Type-C ports. Windows will automatically detect the displays. You can configure display settings (resolution, orientation, extended/duplicated desktop) via Windows Display Settings.

Faster Wired. More Reliable.



Up to 5Gbps

Link Aggregation



Work & IoT

Network Split



Backup LAN

Failover Ready

Dual 2.5G



Read/Write Speed

50x ↗

2 x 2.5 Gbps LAN

100 Mbps LAN

Image: The GEEKOM IT13 MAX Mini PC demonstrating its capability to connect to four monitors for an extended workspace.

Operating System

The device comes with Windows 11 Pro pre-installed. It also supports various Linux distributions such as Ubuntu, Debian, and CentOS, offering flexibility for different user needs.

Video: An official GEEKOM video addressing common questions about the Mini PC, including operating system flexibility and performance.

MAINTENANCE

Cooling System

The GEEKOM IT13 MAX features an IceBlast 3.0 cooling system designed for efficient heat dissipation and quiet operation. Ensure proper airflow around the device by keeping vents clear of obstructions. Regular dusting of the exterior can help maintain optimal cooling performance.

Upgraded IceBlast 3.0 Cooling System

Stay Cool Under Full Load

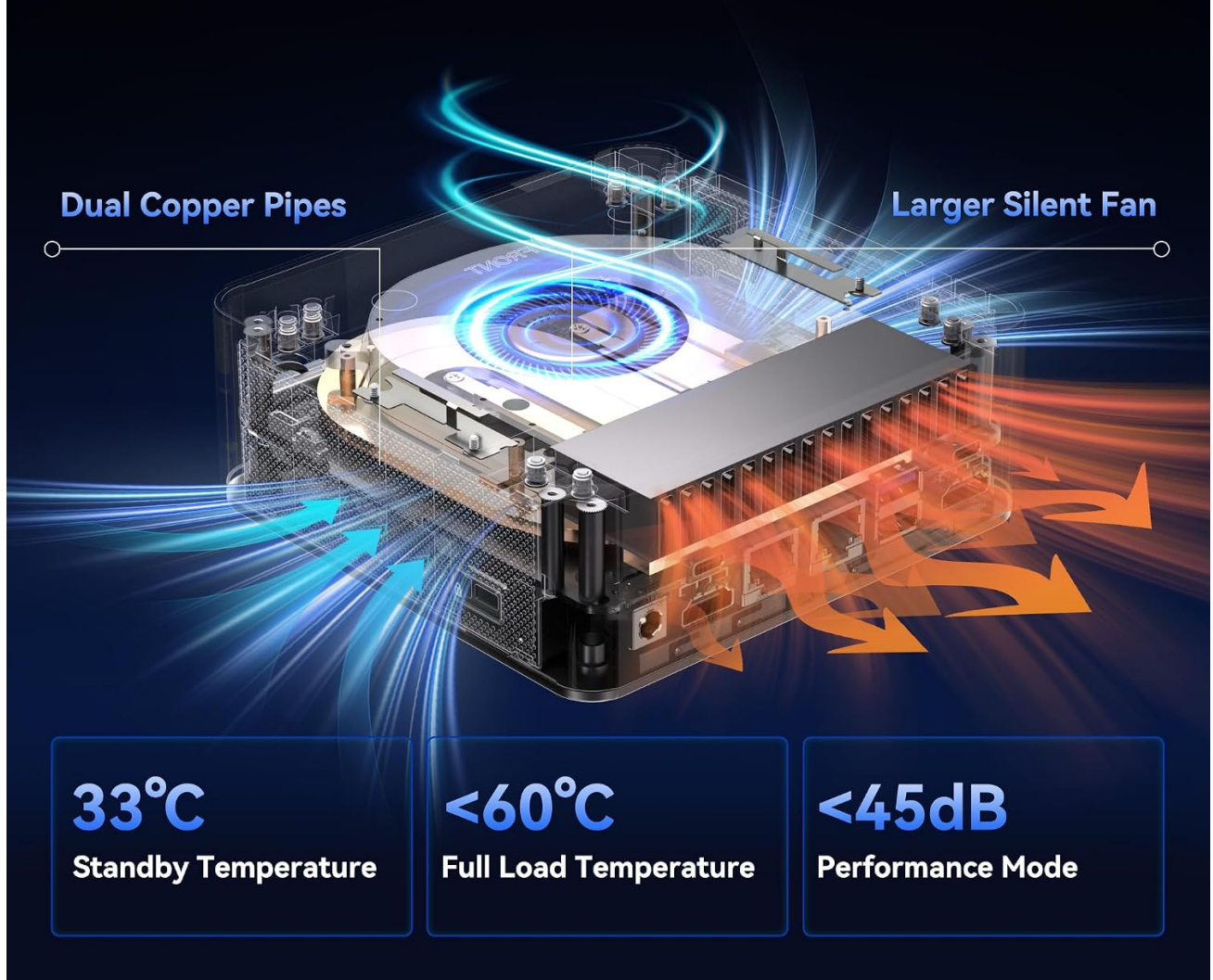


Image: Diagram illustrating the IceBlast 3.0 cooling system with dual copper pipes and a larger silent fan for effective heat management.

Storage and Memory Upgrades

The IT13 MAX supports upgrades for both RAM and SSD storage. It includes a 16GB DDR5 SODIMM (upgradable to 96GB), an M.2 2280 NVMe PCIe Gen 4x4 SSD slot (up to 4TB), and an M.2 2242 SATAIII SSD slot (up to 4TB). For upgrades, ensure the device is powered off and disconnected from power. Consult a qualified technician if you are unsure about the upgrade process.

The Max Value Combo

This smart pairing of high-capacity RAM and fast storage unlocks serious performance, tackling intensive multitasking, creative suites, and data analysis with ease.

16GB DDR5 SODIMM
UP TO 96GB

Others use LPDDR:
Soldered, non-upgradable, limited repair-ability.

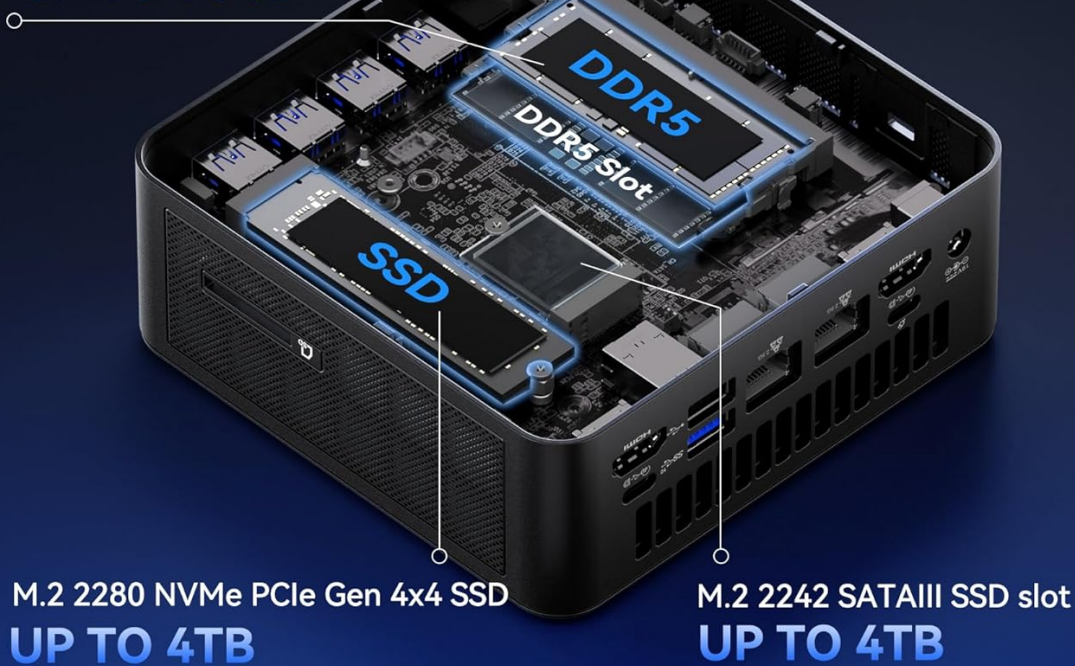


Image: Internal layout of the GEEKOM IT13 MAX, highlighting the DDR5 SODIMM slot and M.2 SSD slots for memory and storage expansion.

TROUBLESHOOTING

- **No Power:**

Ensure the power adapter is securely connected to both the mini PC and a working power outlet. Check the power button for any damage.

- **No Display:**

Verify that the monitor is powered on and the video cable (HDMI or USB-C) is correctly connected to both the mini PC and the monitor. Try a different port or cable if available.

- **System Slowdown:**

Close unnecessary applications. Check for background processes consuming high resources using Task Manager (Windows) or system monitor (Linux). Ensure the cooling vents are clear.

- **Network Connectivity Issues:**

For Wi-Fi, check your router and ensure the mini PC is within range. For wired connections, verify the Ethernet cable is properly connected and your network is active.

- **Operating System Issues:**

If experiencing software-related problems, try restarting the system. For persistent issues, consider using system restore points or reinstalling the operating system (ensure data backup first).

For further assistance, refer to the Warranty and Support section.

SPECIFICATIONS

Feature	Detail
Brand	GEEKOM
Model Number	IT13 MAX
Operating System	Windows 11 Pro, Linux compatible
CPU Model	Intel Core Ultra 9 185H
CPU Speed	Up to 5.1 GHz
Graphics Coprocessor	Intel Arc Graphics (Integrated)
RAM Memory Installed	16 GB DDR5 (Upgradable to 96 GB)
Memory Speed	5600 MT/s
Hard Disk Description	SSD (1TB included, expandable up to 4TB NVMe + 4TB SATAIII)
Connectivity Technology	USB, Bluetooth, Wi-Fi
Wireless Compatibility	Wi-Fi 7 (802.11.be), Bluetooth 5.4
Video Output Interface	HDMI, DisplayPort (via USB4 Type-C)
Display Resolution Maximum	7680x4320 Pixels (8K)
Total USB Ports	8 (including USB4 Type-C)
Ethernet	Dual 2.5GbE LAN RJ45
Cooling Method	IceBlast 3.0
Power Consumption	65 Watts
Dimensions	Compact Mini PC design

WARRANTY AND SUPPORT

The GEEKOM IT13 MAX Mini PC comes with a**3-year warranty**, ensuring long-term reliability and support. For technical support or warranty claims, please contact GEEKOM US Store directly:

- **Contact Seller on Amazon:** Log into your Amazon buyer's account, find your order, and click "Get help" for assistance with this product.
- **Email Support:** You may also send an email to the GEEKOM after-sales team for direct support.

GEEKOM is committed to providing reliable products and comprehensive customer service.

