

GEEKOM XT1 MEGA

# GEEKOM XT1 Mega AI Mini PC User Manual

Model: XT1 MEGA

- [Guide](#)
- [Operation](#)
- [Maintenance](#)
- [Introduction](#)
- [Setup](#)
- [Troubleshooting](#)
- [Specifications](#)
- [Warranty & Support](#)

## 1. INTRODUCTION

Welcome to the user manual for your GEEKOM XT1 Mega AI Mini PC. This compact yet powerful desktop computer is designed for a wide range of applications, from daily productivity and office tasks to demanding creative work and gaming. Featuring an Intel Ultra U9-185H processor, 32GB DDR5 RAM, and a 2TB SSD, it delivers exceptional performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.



Figure 1: The GEEKOM XT1 Mega AI Mini PC, showcasing its compact design and available ports.

## 2. SETUP GUIDE

### 2.1 Package Contents

Before you begin, please verify that all items are present in the package:

- GEEKOM XT1 Mega AI Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount (optional)
- User Manual (this document)

### 2.2 Connecting Peripherals

Follow these steps to connect your essential peripherals:

1. **Connect Display(s):** Use the provided HDMI cable or a DisplayPort cable to connect your monitor(s) to the corresponding ports on the Mini PC. The XT1 Mega supports up to three 4K displays simultaneously.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any available USB ports.
3. **Connect Power:** Plug the power adapter into the DC-in port on the Mini PC, then connect the adapter to a power outlet.

# The Latest Generation Enhanced Cooling System – IceFlow

Quiet and Efficiency



Figure 2: Detailed view of the Mini PC's front and rear interfaces, highlighting USB, HDMI, LAN, and power connections.

## 2.3 Powering On and Initial OS Setup

After connecting all peripherals:

1. Press the power button located on the front of the Mini PC.
2. The system will boot up and guide you through the initial Windows 11 Pro setup process. Follow the on-screen instructions to configure your language, region, network, and user account.

## 2.4 Network Connection

Your Mini PC offers both wired and wireless network connectivity:

- **Wi-Fi 7:** During the Windows setup or via Windows settings, select your Wi-Fi network and enter the password. The Mini PC supports Wi-Fi 7 for fast wireless speeds.
- **Dual 2.5G LAN:** For a stable and high-speed wired connection, connect an Ethernet cable from your router or modem to one of the two 2.5 Gigabit Ethernet ports on the rear of the Mini PC.

# Wireless Reimagined

# Wi-Fi 7



Figure 3: Wi-Fi 7 technology provides significantly faster wireless connectivity.





Figure 4: The dual 2.5G Ethernet ports offer advanced wired networking capabilities.

## 3. OPERATING INSTRUCTIONS

### 3.1 Basic Operation

- **Power On:** Press the power button once.
- **Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).
- **Restart:** Click the Start button in Windows, then select Power > Restart.
- **Sleep:** Click the Start button in Windows, then select Power > Sleep.

### 3.2 Connecting External Devices

The GEEKOM XT1 Mega offers a variety of ports for connecting external devices:

- **USB Ports:** Use the USB 3.2 Gen 2 Type A ports for high-speed data transfer with compatible devices. A USB 2.0 port is also available for standard peripherals.
- **USB4.0 (USB-C) Ports:** These versatile ports support power delivery, display output (DisplayPort Alt Mode), and high-speed data transfer.

- **Audio Jack:** Connect headphones or external speakers to the 3.5mm audio jack.
- **Bluetooth 5.4:** Pair wireless devices such as headphones, mice, or keyboards via Bluetooth settings in Windows.

### 3.3 Multi-Display Setup

To utilize the triple display support:

1. Connect your monitors to the available HDMI 2.0 and DisplayPort outputs.
2. Once connected, right-click on the desktop in Windows and select 'Display settings'.
3. From here, you can arrange your displays, set their resolution, and choose between 'Extend these displays' or 'Duplicate these displays' modes.

## 4. MAINTENANCE AND UPGRADES

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### 4.1 Cleaning

To maintain optimal performance and appearance:

- Gently wipe the exterior with a soft, dry cloth.
- Use compressed air to clear dust from the ventilation grilles periodically to ensure proper airflow.
- Avoid using liquid cleaners directly on the device.

### 4.2 Software Updates

Regularly update your operating system and drivers to ensure security, stability, and performance:

- **Windows Updates:** Go to Start > Settings > Windows Update to check for and install the latest OS updates.
- **Driver Updates:** Visit the GEEKOM official website for the latest drivers for your XT1 Mega Mini PC.

### 4.3 Hardware Upgrades

The GEEKOM XT1 Mega AI Mini PC offers upgrade options for RAM and storage:

- **RAM:** The device comes with 32GB DDR5 dual-channel RAM and supports expansion up to 64GB.
- **Storage:** It is equipped with a 2TB M.2 2280 PCIe 3.0 SSD. An additional SATA III 2242 slot is available for further storage expansion (up to 1TB).

*Note: Hardware upgrades should be performed by users with technical expertise or by a qualified technician to avoid damage and maintain warranty validity.*

# Wide Range Interface

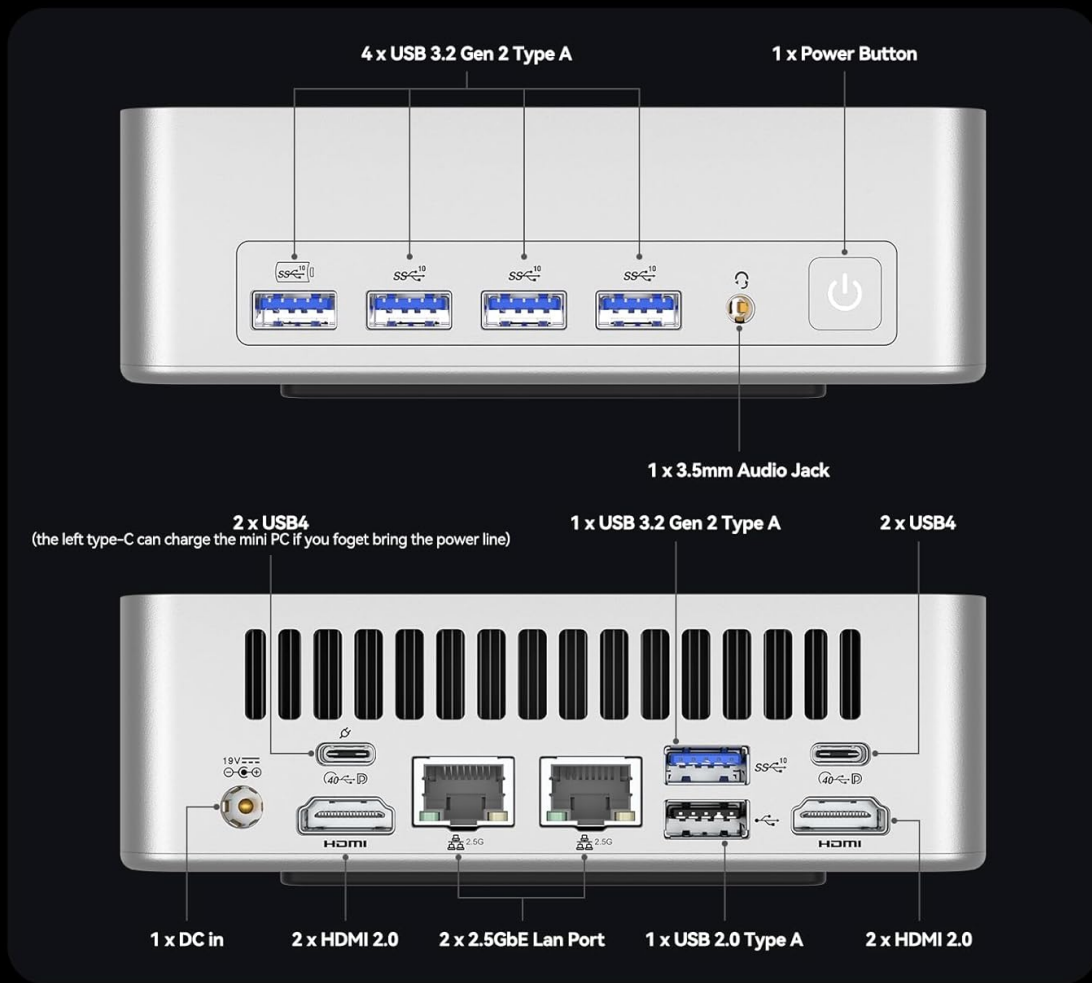


Figure 5: Internal view illustrating the upgradeable DDR5 RAM and SSD storage options.

## 4.4 Cooling System

The XT1 Mega features an advanced IceFlow cooling system designed for quiet and efficient heat dissipation, ensuring stable performance even under heavy loads. Ensure the ventilation grilles are not obstructed to allow for proper airflow.

# Powerful Combination of SSD and SODIMM

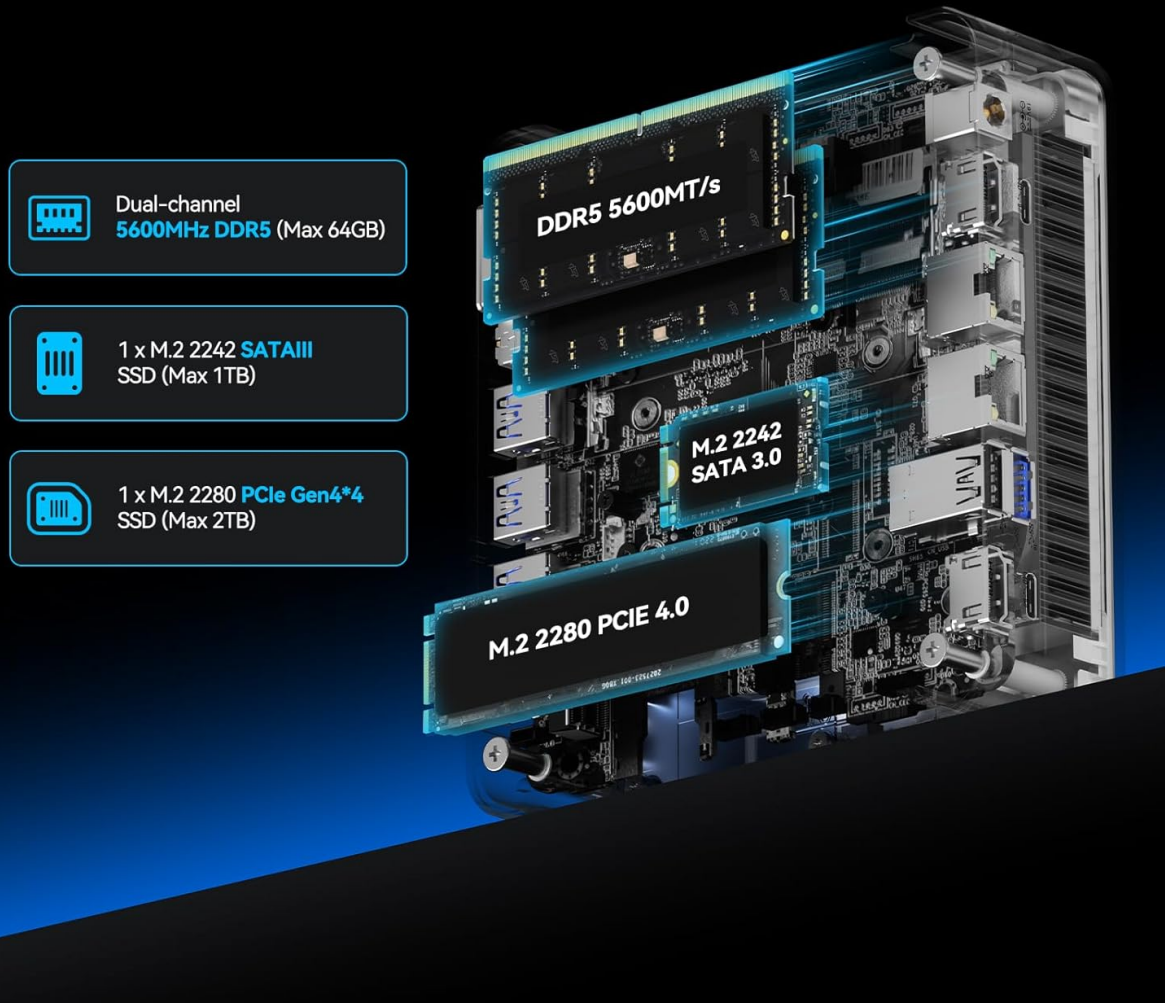


Figure 6: The IceFlow cooling system ensures efficient heat management for sustained performance.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your GEEKOM XT1 Mega AI Mini PC.

### 5.1 Common Issues and Solutions

- **No Power:**
  - Ensure the power adapter is securely connected to both the Mini PC and a working 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 (e.g., HDMI 1, DisplayPort).
  - Try connecting to a different monitor or using a different cable.



• **Network Connectivity Issues:**

- **Wi-Fi:** Check if Wi-Fi is enabled in Windows settings. Ensure you are connected to the correct network and have entered the password correctly. Restart your router/modem.
- **Wired LAN:** Verify the Ethernet cable is securely plugged into both the Mini PC and your router/modem. Check the network status in Windows settings.

• **Slow Performance:**

- Close unnecessary applications running in the background.
- Ensure Windows and drivers are up to date (refer to Section 4.2).
- Check for malware or viruses using reputable antivirus software.
- Monitor system resources (CPU, RAM, Disk usage) via Task Manager.

5.2 Contacting Support

If you encounter issues that cannot be resolved using the troubleshooting steps above, please contact GEEKOM customer support for further assistance. Provide your product model (XT1 MEGA) and a detailed description of the problem.

6. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the GEEKOM XT1 Mega AI Mini PC:

Feature	Specification
Processor	Intel Core Ultra 9 185H (16 Cores/22 Threads, up to 5.1 GHz, 24MB Cache)
Graphics	Intel Arc integrated graphics with 8 Xe cores
RAM	32GB DDR5 (Dual Channel, expandable to 64GB)
Storage	2TB M.2 2280 PCIe 3.0 SSD (supports additional 1TB SATA III 2242)
Operating System	Windows 11 Pro
Video Output	2x HDMI 2.0 (4K@60Hz), 1x DisplayPort, 2x USB4.0 (DP Alt Mode) - Triple Display Support
USB Ports	5x USB 3.2 Gen 2 Type A, 1x USB 2.0, 2x USB4.0 (USB-C)
Network	2x 2.5 Gigabit Ethernet (RJ45), Wi-Fi 7
Wireless Connectivity	Wi-Fi 7, Bluetooth 5.4
Audio	1x 3.5mm Audio Jack (HP & MIC)
Dimensions (approx.)	27.5 x 19.2 x 15.5 cm (Package dimensions)
Weight (approx.)	2.41 kg (Package weight)

# Intel® Core™ Ultra 9 Processor 185H

CPU, GPU, and NPU three tier multi-processing architecture



Figure 7: Key specifications of the Intel Core Ultra 9 185H processor.



# Intel® Arc™ Graphics

8 Cores

Xe LPG Architecture

2.35 GHz Maximum frequency



Figure 8: Overview of the integrated Intel Arc Graphics capabilities.

## 7. WARRANTY AND SUPPORT

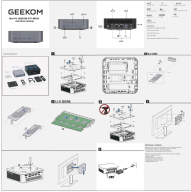
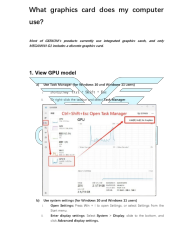

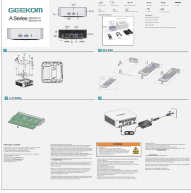
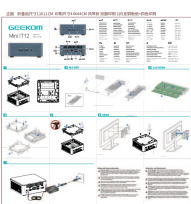
### 7.1 Warranty Information

The GEEKOM XT1 Mega AI Mini PC comes with a **3-year limited warranty**, effective from the date of purchase. This warranty covers defects due to design and manufacturing. Please retain your proof of purchase for warranty claims.

### 7.2 Customer Support

For technical support, warranty claims, or any inquiries regarding your GEEKOM XT1 Mega AI Mini PC, please visit the official GEEKOM website or contact their customer service team. Their professional after-sales team is available to assist you promptly.

Related Documents - XT1 MEGA

	<p><a href="#">GEEKOM GT1-MEGA Mini-PC User Manual</a></p> <p>User manual for the GEEKOM GT1-MEGA Mini-PC, detailing setup, specifications, and safety information.</p>
	<p><a href="#">How to Identify Your Computer's Graphics Card (GPU) - GEEKOM Guide</a></p> <p>Learn how to check your computer's graphics card (GPU) model, whether integrated or discrete, with this guide from GEEKOM. Covers Windows methods and lists GEEKOM's integrated Intel and AMD graphics solutions.</p>
	<p><a href="#">GEEKOM GT1 Mega Mini PC User Manual and Technical Specifications</a></p> <p>User manual and technical specifications for the GEEKOM GT1 Mega Mini PC, including Bluetooth and Wi-Fi details, warranty information, and compliance declarations.</p>
	<p><a href="#">GEEKOM Mini IT13-i9 User Manual and Technical Specifications</a></p> <p>Official user manual for the GEEKOM Mini IT13-i9 Mini PC, detailing package contents, technical specifications for Bluetooth and Wi-Fi, warranty information, and disposal guidelines.</p>
	<p><a href="#">GEEKOM A Series Mini PC User Guide</a></p> <p>User guide for the GEEKOM A Series Mini PC, including installation of M.2 SSD and DDR5 RAM, power connection, and safety information.</p>
	<p><a href="#">GEEKOM Mini IT12 User Guide and Specifications</a></p> <p>A comprehensive guide to the GEEKOM Mini IT12, including setup instructions, safety information, and technical specifications. Learn how to install M.2 SSD and DDR4 RAM, and understand the device's connectivity options.</p>