GEEKOM XT1 Mega

GEEKOM XT1 Mega Mini PC User Manual

Model: XT1 Mega

Introduction

This user manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your GEEKOM XT1 Mega Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

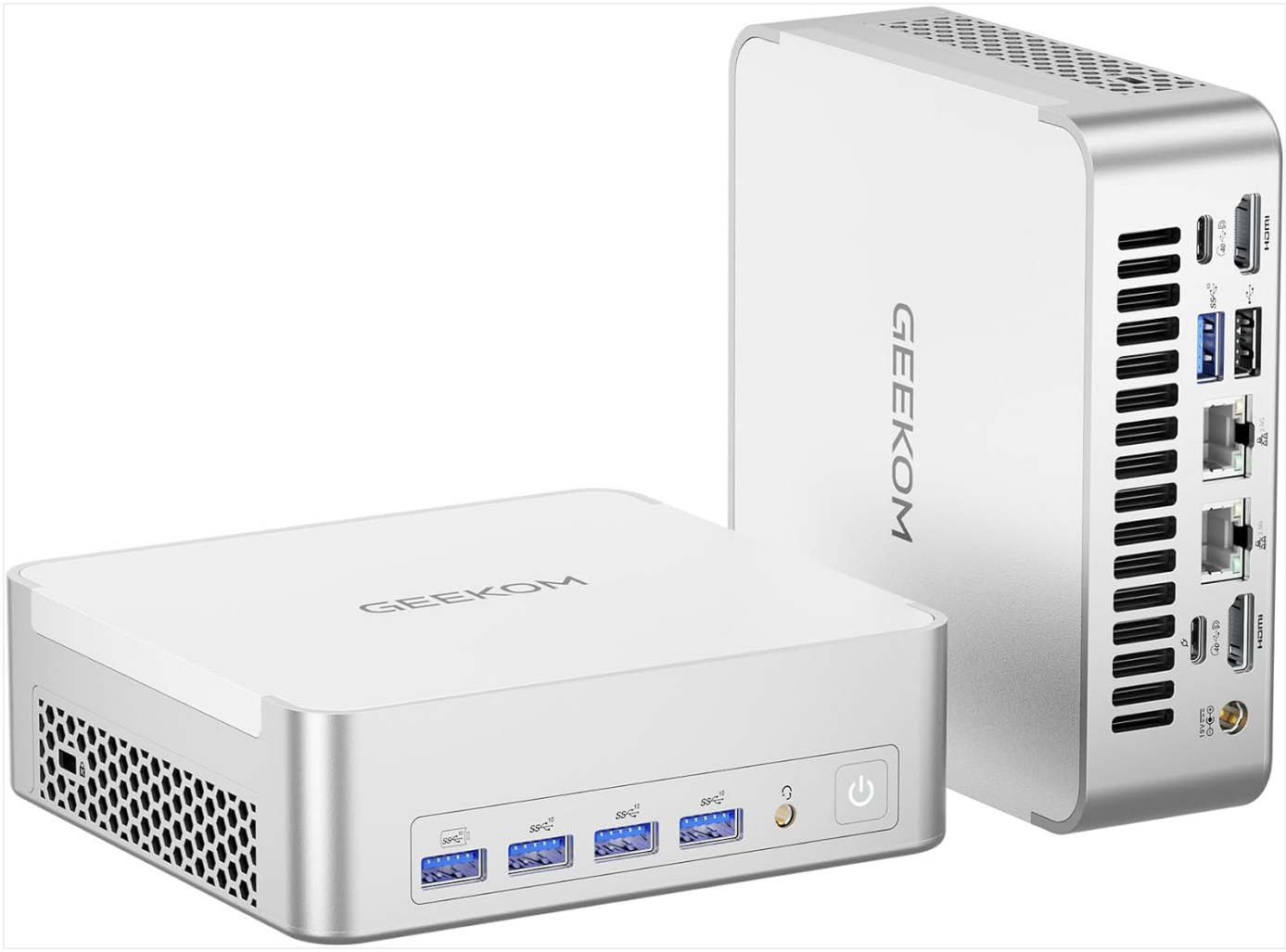


Image: Front and rear view of the GEEKOM XT1 Mega Mini PC, showcasing its compact design and various ports.

Package Contents

Verify that all items are present in the package:

- GEEKOM XT1 Mega Mini PC
- User Manual
- HDMI Cable
- Power Adapter
- VESA Mount and Screws

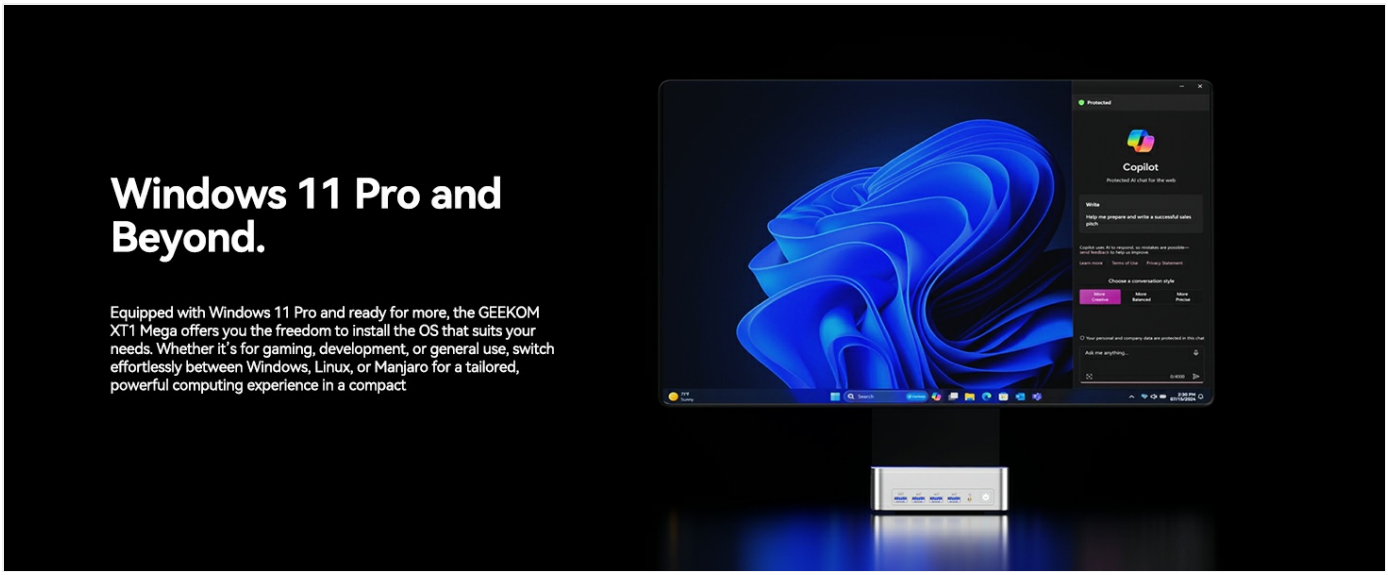


Image: Illustration of the GEEKOM XT1 Mega Mini PC and its included accessories: user manual, HDMI cable, power adapter, and VESA mount with screws.

Setup Guide

1. Connecting Peripherals

1. Connect your monitor(s) to the Mini PC using the HDMI 2.0 ports (up to 4K@60Hz) or USB4 ports (supporting DP1.4, up to 8K@30Hz). The GEEKOM XT1 Mega supports up to four-screen output simultaneously.
2. Connect your keyboard and mouse to the available USB 3.2 Gen 2 Type A ports or USB 2.0 Type A port.
3. If using wired internet, connect an Ethernet cable to one of the dual 2.5Gbps LAN ports.
4. Connect any other desired peripherals (e.g., external hard drives, speakers) to the appropriate ports.



Image: The GEEKOM XT1 Mega Mini PC connected to a monitor, keyboard, and mouse, demonstrating a typical setup.

2. Powering On

1. Connect the power adapter to the DC In port on the Mini PC.
2. Plug the power adapter into a power outlet.
3. Press the power button located on the front of the Mini PC. The power indicator light will illuminate.
4. Follow the on-screen instructions for initial Windows 11 Pro setup.

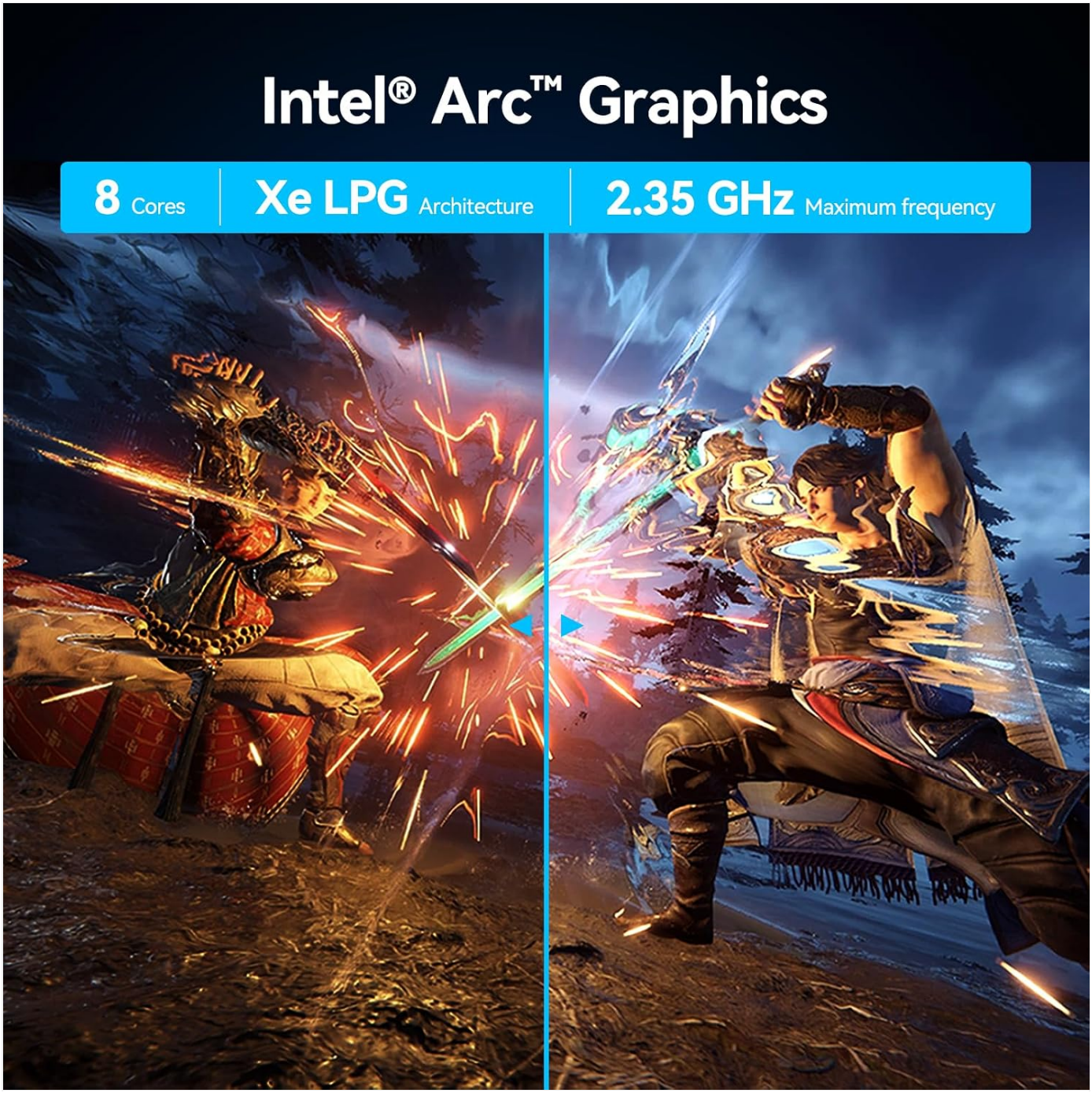


Image: Close-up view of the GEEKOM XT1 Mega Mini PC's front and rear ports, including the power button, USB ports, HDMI, and LAN ports.

Operating Instructions

Operating System

The GEEKOM XT1 Mega comes preinstalled with Windows 11 Professional Edition. It also supports other X86-compatible operating systems such as Manjaro, Ubuntu, and Android X86.



Image: A GEEKOM XT1 Mega Mini PC connected to a monitor displaying the Windows 11 Pro desktop, highlighting its operating system compatibility.

Connectivity

- **Wi-Fi 7:** For high-speed, low-latency wireless internet connection.
- **Bluetooth 5.4:** For connecting wireless peripherals such as keyboards, mice, and headphones.
- **Dual 2.5G LAN:** Two Ethernet ports for stable wired network connections, supporting simultaneous WAN/LAN connections and link aggregation.
- **USB4 Ports:** Two USB4 ports offer up to 40Gbps data transfer speeds, DP1.4 video output (up to 8K), and Power Delivery (PD 3.0 up to 15W).

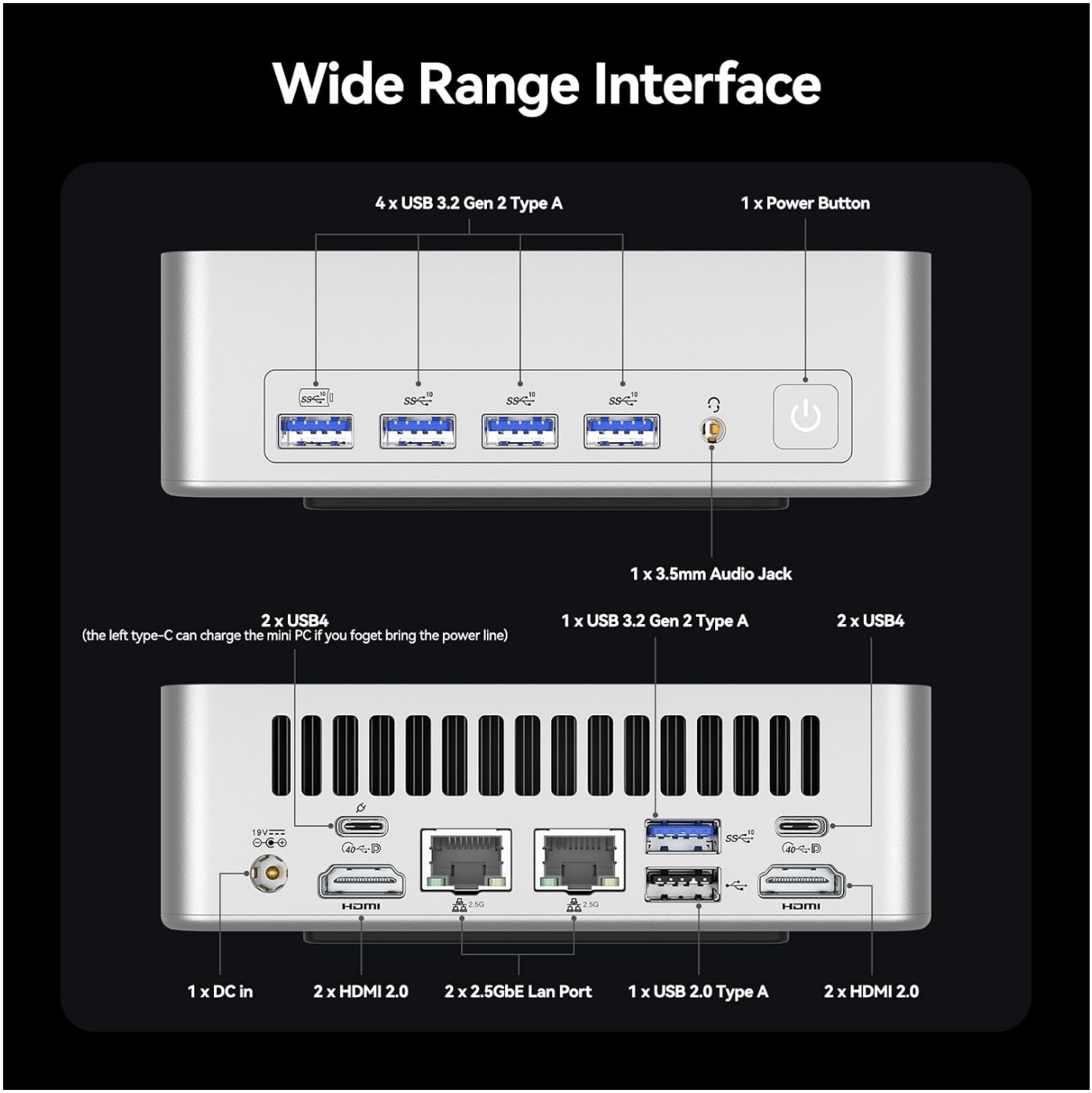


Image: Visual representation of the GEEKOM XT1 Mega Mini PC's advanced wireless capabilities, including Wi-Fi 7 and Bluetooth 5.4, emphasizing speed and stability.

Storage Expansion

The GEEKOM XT1 Mega supports expandable storage:

- One 2280 NVMe PCIe Gen4*4 SSD slot (up to 2TB, backward compatible).
- One 2242 SATAIII SSD slot (up to 1TB).
- Dual-channel 32GB DDR5 5600MHz RAM, upgradable to 64GB.

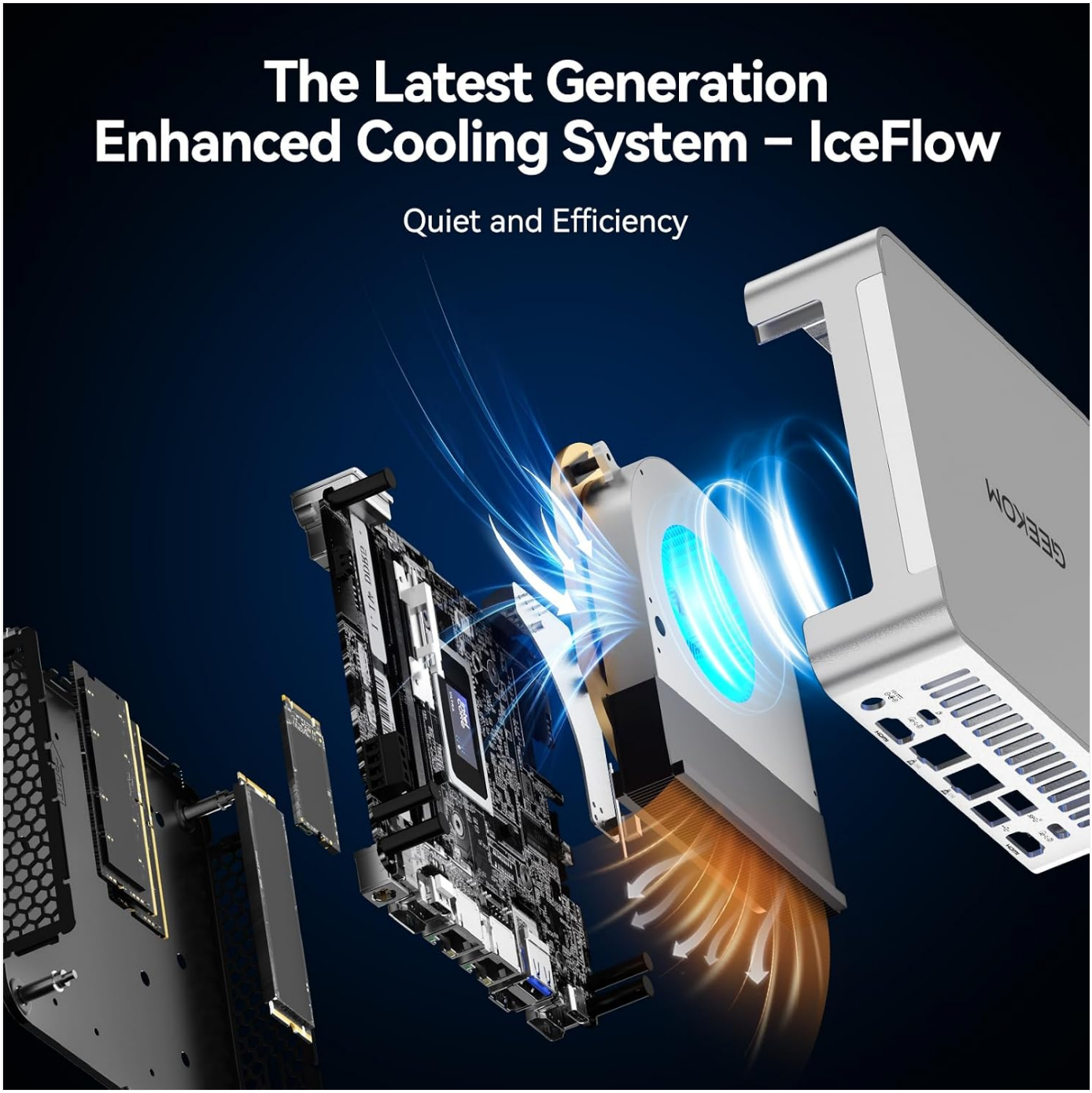


Image: An exploded view of the GEEKOM XT1 Mega Mini PC, illustrating the locations of the dual-channel DDR5 RAM slots and the two M.2 SSD slots for storage expansion.

Maintenance

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from vents to ensure proper airflow and cooling.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions for optimal performance and security.
- **Storage Management:** Periodically check your storage usage and delete unnecessary files to free up space.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.



Image: An illustration demonstrating the IceFlow cooling system of the GEEKOM XT1 Mega Mini PC, showing airflow and heat dissipation for efficient operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty outlet.	Ensure power adapter is securely connected and try a different power outlet.
No display	Monitor cable loose or incorrect input selected on monitor.	Check HDMI/USB4 cable connections. Ensure monitor input matches the connected port.
Slow performance	Too many applications running, insufficient RAM, or overheating.	Close unnecessary applications. Consider upgrading RAM. Ensure proper ventilation.
Wi-Fi/Bluetooth issues	Driver issues or interference.	Update Wi-Fi/Bluetooth drivers. Move device away from potential interference sources.

Specifications

Feature	Detail
Processor	14th Gen Intel Core Ultra 9 185H (16 Core, 22 Threads, 24MB Cache, up to 5.1GHz)
Graphics	Intel ARC Graphics with 8Xe cores (up to 2.35GHz)
RAM	32GB DDR5 5600MHz (Dual-channel, upgradable to 64GB)
Storage	1TB M.2 NVMe PCIe Gen4*4 SSD (up to 2TB), 2242 SATAIII SSD slot (up to 1TB)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 7, Bluetooth 5.4
Wired Connectivity	Dual 2.5Gbps Ethernet LAN ports
Video Output	2 x USB4 (DP1.4, 8K@30Hz), 2 x HDMI 2.0 (4K@60Hz) - Quad-screen support
USB Ports	2 x USB4, 4 x USB 3.2 Gen 2 Type A, 1 x USB 2.0 Type A
Audio	1 x 3.5mm Audio Jack
Dimensions	5.4 × 5.2 × 2.1 inches (approximate, based on feature bullets)
Weight	5.24 pounds

Warranty and Support

The GEEKOM XT1 Mega Mini PC comes with a**3-year limited warranty**. This warranty covers defects in design or craftsmanship from the date of purchase.



Image: A shield icon indicating "3-Year Manufacturer Protection" for GEEKOM products.

For technical support or warranty claims, please contact GEEKOM customer service through the following methods:

- **Find the Seller on Amazon:** Log in to your Amazon buyer's account, find your order, and click "Get help" to ask for assistance with this product.
- **Email After-sales Team:** You can send an email toshirley.li@geekom.tw.

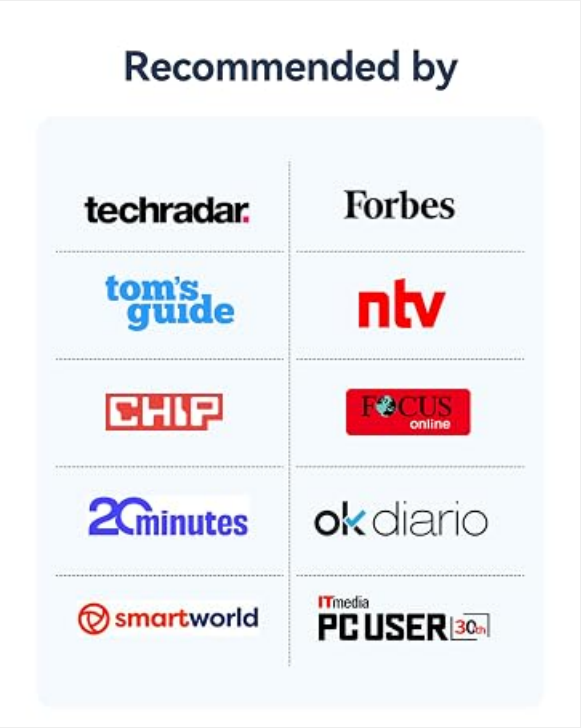


Image: A graphic detailing GEEKOM's after-sales service options, including finding the seller on Amazon and emailing the after-sales team.

Energy Efficiency

The GEEKOM XT1 Mega Mini PC is designed for energy efficiency, consuming significantly less power than traditional desktop computers. This contributes to lower electricity costs and a reduced environmental footprint.

Your browser does not support the video tag.

Video: A comparison demonstrating the energy consumption difference between a traditional desktop PC and the GEEKOM Mini PC under various workloads, highlighting the significant power savings of the Mini PC.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question