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GenMachine R5-3550H 16G+512GB White

GenMachine Mini PC AMD Ryzen 5 3550H User Manual

Model: R5-3550H 16G+512GB White

Brand: GenMachine

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1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your GenMachine Mini PC AMD Ryzen 5 3550H. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The GenMachine Mini PC is a compact yet powerful computing solution designed for a variety of tasks, including gaming, office work, and design. It features an AMD Ryzen 5 3550H processor, 16GB DDR4 RAM, and a 512GB SSD with M.2 NVMe support, offering high performance in a small form factor.



Figure 1.1: Front view of the GenMachine Mini PC, showcasing its compact white design with front USB ports and power button.

2. SETUP

2.1 Unpacking the Box

Carefully unpack all components from the packaging. Ensure all items listed in the packing list are present.

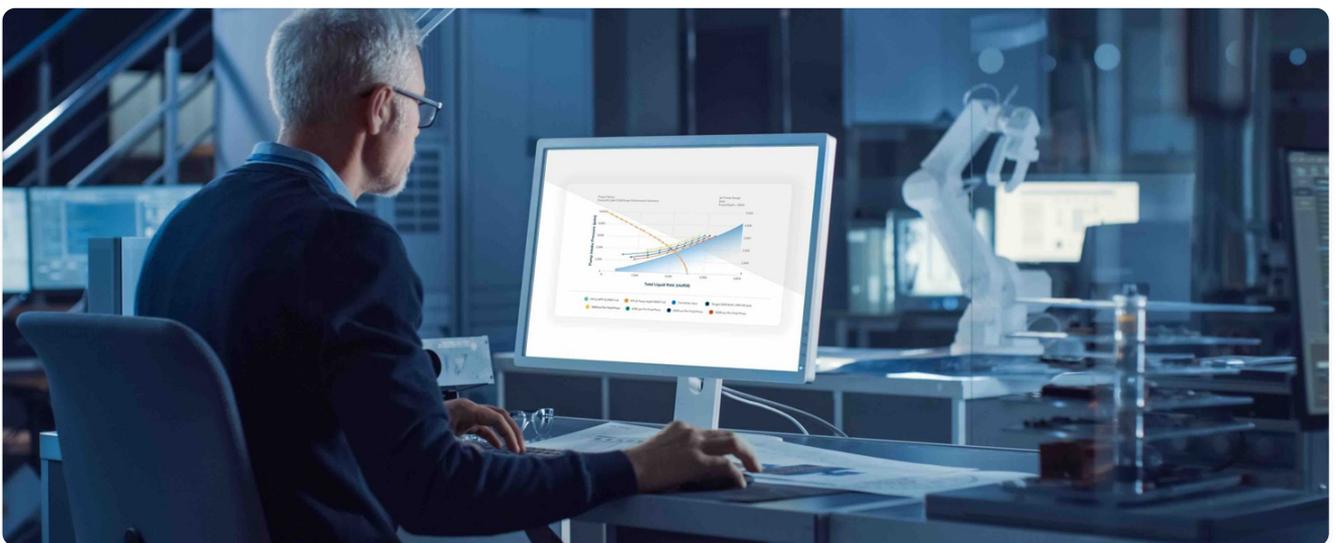


Figure 2.1: The packing list includes the Mini PC unit, user manual, packing box, power adapter, and HD line (HDMI cable).

2.2 Connecting Peripherals

Connect your monitor(s), keyboard, mouse, and other necessary peripherals to the Mini PC. The device supports multiple display options via HDMI and DisplayPort.

- Connect your monitor(s) to the HDMI or DisplayPort outputs.
- Connect your keyboard and mouse to the available USB 3.0 ports.
- For wired network access, connect an Ethernet cable to the LAN port.
- Connect the power adapter to the Mini PC and then to a power outlet.



Figure 2.2: Overview of the Mini PC's interfaces, including power supply, network interface (LAN), DisplayPort (DP), HDMI interface, USB interfaces, and audio port.

2.3 Initial Power On

Press the power button located on the front of the Mini PC. The system will boot up. Follow the on-screen instructions for initial operating system setup.

3. OPERATION

3.1 General Usage

The GenMachine Mini PC is designed for versatile use, from demanding gaming sessions to professional design work and everyday office tasks. Its AMD Ryzen 5 3550H processor ensures smooth performance across various applications.

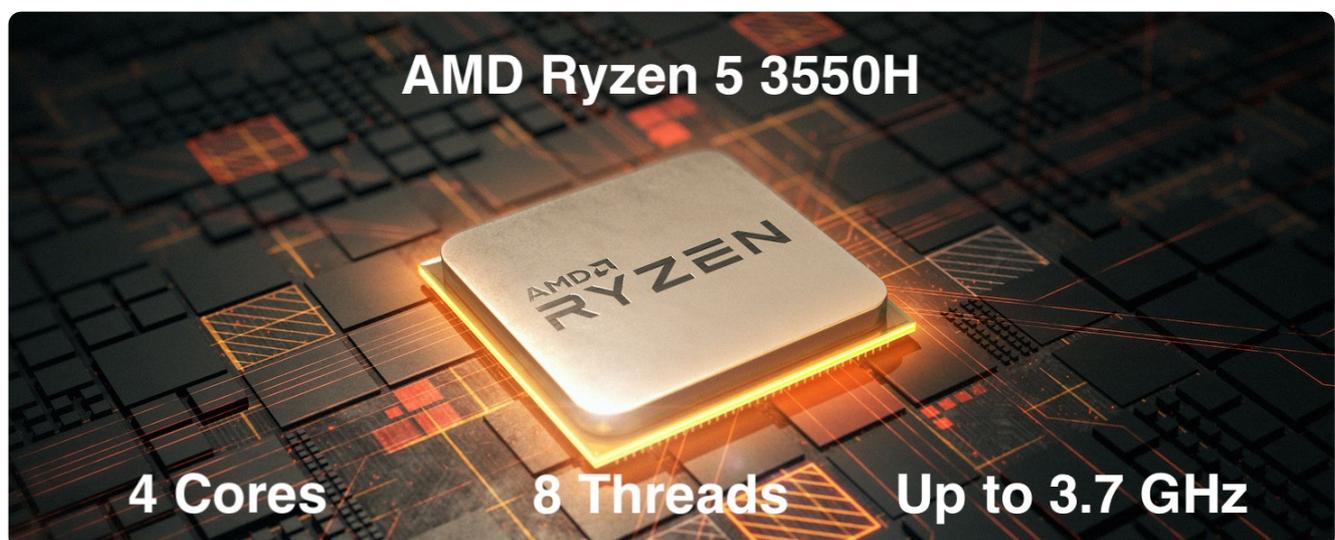


Figure 3.1: The AMD Ryzen 5 3550H processor features 4 cores, 8 threads, and a boost clock up to 3.7GHz, providing powerful performance for various computing needs.

3.2 Multi-Display Setup

Utilize the HDMI and DisplayPort outputs to connect up to two 4K displays simultaneously, enhancing productivity and immersive experiences.

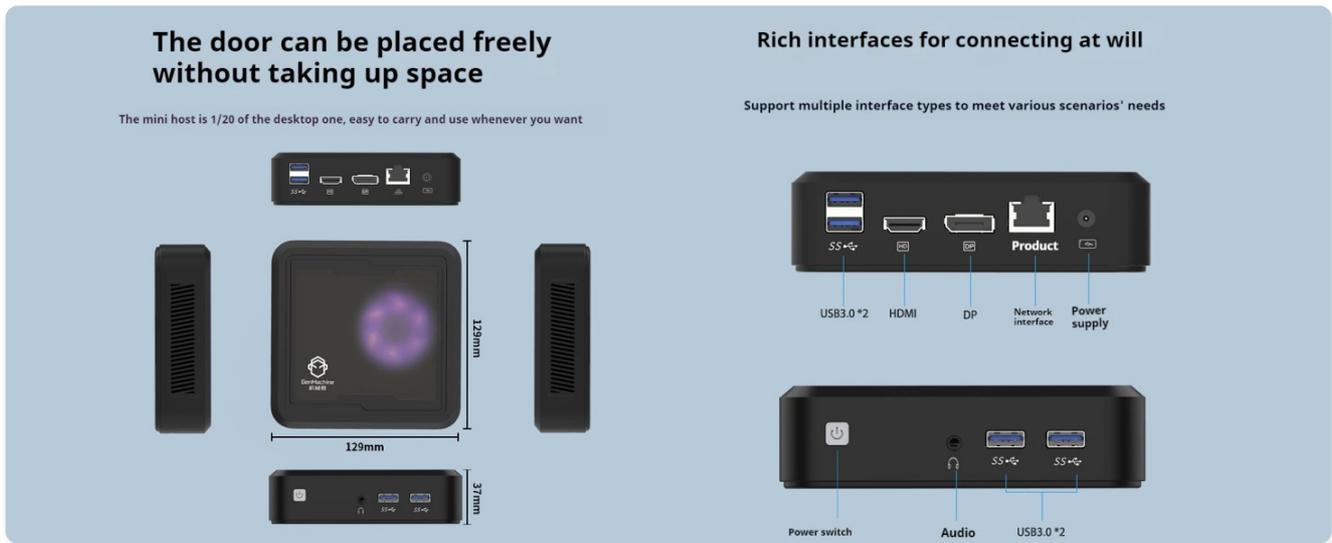


Figure 3.2: The Mini PC supports dual 4K displays via HD (HDMI) and DP (DisplayPort) outputs, allowing for an expanded workspace.

3.3 Storage and Memory Expansion

The Mini PC comes with 16GB DDR4 RAM and a 512GB SSD. It supports dual-channel DDR4 memory up to 64GB and M.2 NVMe SSDs up to 2TB for significant storage and performance upgrades.

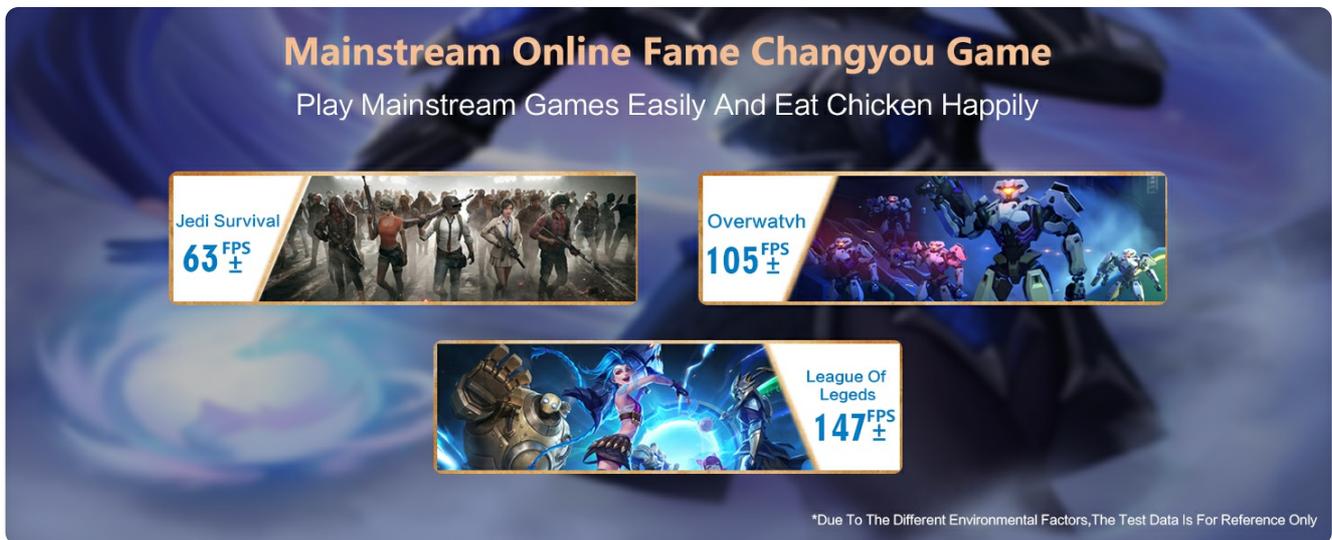


Figure 3.3: Illustration showing support for up to 64GB DDR4 RAM and 3000MB/s M.2 NVMe SSD (PCIe 3.0 X4) for enhanced performance and storage.

3.4 Connectivity

The Mini PC includes WiFi 5 and Bluetooth 4.2 for wireless connectivity, ensuring high-speed internet access and seamless pairing with wireless peripherals.

3.5 Video Demonstration

Watch this official video from GenMachine for a visual overview of the Mini PC's features and capabilities.

Your browser does not support the video tag.

Video 3.1: An official video demonstrating the GenMachine Mini Personal Desktop Computer, highlighting its compact size, various

interfaces, and suitability for office and media server use.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation grilles to ensure proper airflow and prevent overheating.



Figure 4.1: The Mini PC undergoes rigorous quality control, including vibration, drop, temperature/humidity, port, and noise tests, ensuring durability and reliability.

4.2 Heat Management

Ensure the Mini PC is placed in a well-ventilated area. Avoid blocking the air vents to allow for efficient heat dissipation. The device is designed with mesh ventilated heat dissipation to maintain optimal operating temperatures.

Packing List

- ① Mini PC
- ② User manual
- ③ Packing box
- ④ Power adapter
- ⑤ HD line



Figure 4.2: The GenMachine Mini PC operates at a low noise level of approximately 35 decibels, comparable to a quiet library environment.

5. TROUBLESHOOTING

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.
- Try a different cable or monitor if possible.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for sufficient free space on the SSD.
- Ensure the Mini PC is well-ventilated to prevent thermal throttling.
- Consider upgrading RAM or SSD if performance issues persist (refer to Section 3.3).

- **No Wi-Fi/Bluetooth:**

- Check if Wi-Fi and Bluetooth are enabled in the operating system settings.
- Ensure drivers are correctly installed. Visit the manufacturer's website for the latest drivers.
- Restart the Mini PC.

6. SPECIFICATIONS

Below are the key technical specifications for the GenMachine Mini PC AMD Ryzen 5 3550H:

Feature	Detail
Processor	AMD Ryzen 5 3550H (Up to 3.7GHz, 4 Cores, 8 Threads)
RAM	16GB DDR4 (Expandable up to 64GB)
Storage	512GB SSD (M.2 NVMe support up to 2TB)
Graphics Coprocessor	Integrated Graphics
Operating System	OS (Pre-installed or user-installable)
Connectivity	WiFi 5, Bluetooth 4.2, LAN (Ethernet)
Video Output	HDMI, DisplayPort (Supports Dual 4K Displays)
USB Ports	2 x USB 2.0, 2 x USB 3.0
Audio	3.5mm Audio Jack
Dimensions (LxWxH)	5 x 5 x 1.45 inches (12.9 x 12.9 x 3.7 cm)
Item Weight	1.7 pounds

Fivefold Inspection

Comprehensive and Rigorous Quality Control and Reliability Verification

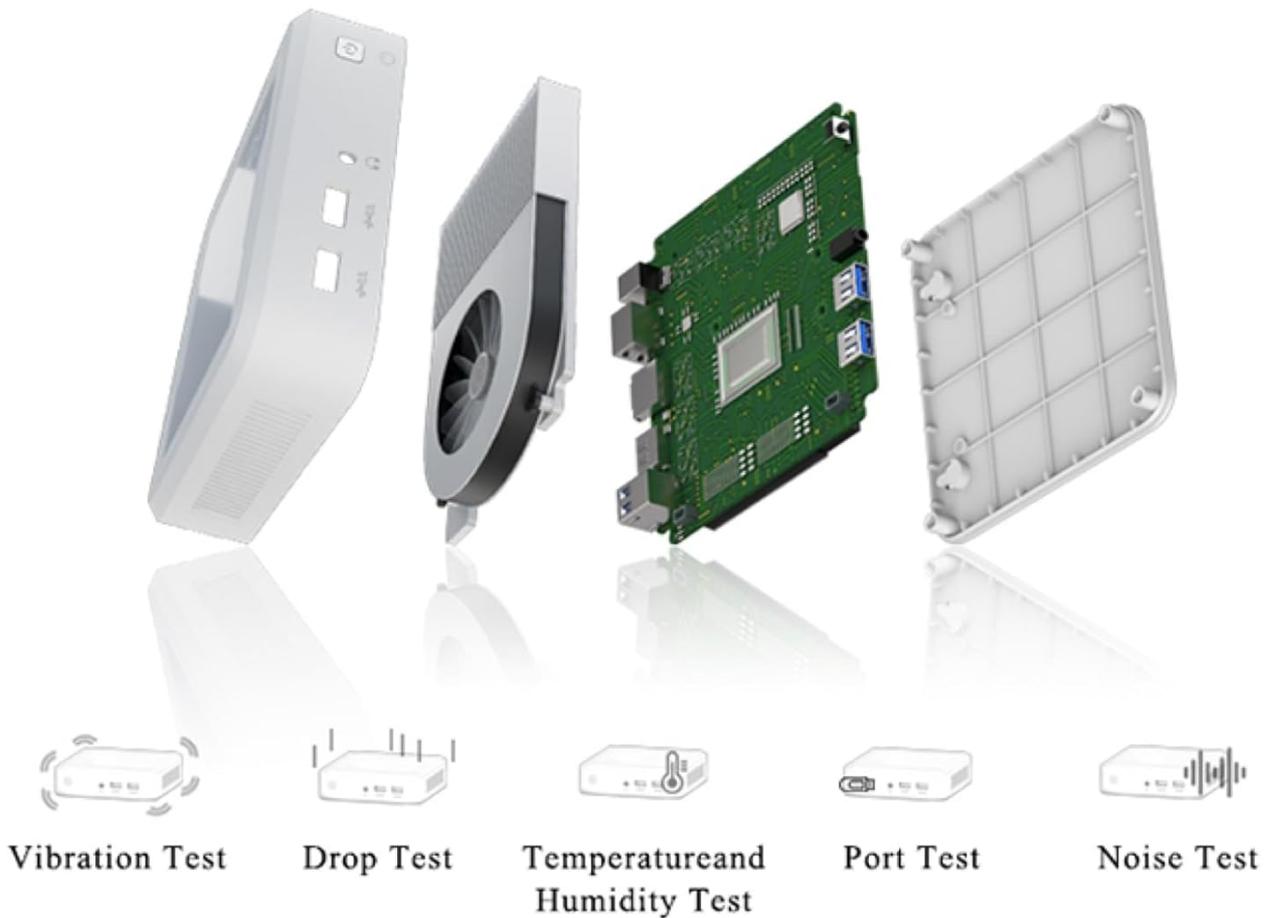


Figure 6.1: The compact dimensions of the GenMachine Mini PC, measuring 12.9 x 12.9 x 3.7 cm, making it suitable for various workspaces.

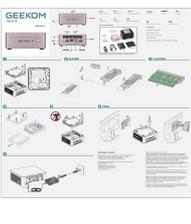
7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official GenMachine website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

The product typically includes a standard manufacturer's warranty. Additional protection plans may be available from your retailer at the time of purchase.

Contact Information: Please visit the official GenMachine website for the most up-to-date contact details for support and service.

Related Documents - R5-3550H 16G+512GB White

	<p>Beelink GTR7 Mini PC: Guide to Activating TPM 2.0 for Windows 11</p> <p>Step-by-step instructions on how to activate TPM 2.0 on the Beelink GTR7 Mini PC to meet Windows 11 requirements. Learn to navigate BIOS settings and enable AMD fTPM.</p>
	<p>GEEKOM A5 Mini-PC User Manual and Setup Guide</p> <p>This document provides instructions and specifications for setting up and using the GEEKOM A5 Mini-PC, including installation of M.2 SSD and DDR4 RAM, VESA mounting, and power connection. It also includes safety warnings and compliance information.</p>
	<p>S1 Software Tutorial: Customizing Display Themes</p> <p>Learn how to customize display themes using the S1 software. This guide covers changing backgrounds, adding and editing text, adjusting font styles, and managing display settings for the ACEMAGIC S1 Mini Tower PC.</p>
	<p>GMKtec NUCBOX7/7S User Manual</p> <p>User manual for the GMKtec NUCBOX7 and NUCBOX7S mini PCs, detailing specifications, safety precautions, connection steps, and after-sales support.</p>
	<p>Blackview MP60 Series Mini PC User Manual and Setup Guide</p> <p>A comprehensive guide for setting up and using the Blackview MP60 Series Mini PC. This manual covers quick installation, packing list, VESA mounting, tips, FAQs, and important precautions for optimal performance and safety.</p>
	<p>How to Enable AUTO Power On in BIOS - Beelink SER3 Setup Guide</p> <p>A step-by-step tutorial for configuring the BIOS on Beelink Mini PCs (like the SER3) to enable the 'AUTO Power On' feature using the Aptio Setup Utility. Learn to navigate AMD CBS and FCH common options.</p>