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## GMKTec G1

# GMKTec G1 Mini PC User Manual

Model: G1

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GMKTec G1 Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

## PACKAGE CONTENTS

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Verify that all items are present in the package. Standard contents typically include:

- GMKTec G1 Mini PC
- Power Adapter
- HDMI Cable
- User Manual (this document)
- Mounting Bracket (optional, for VESA mounting)

## PRODUCT OVERVIEW

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The GMKTec G1 Mini PC is a compact and efficient computing device designed for various applications, from everyday use to office tasks. It features a 12th Gen Intel N95 CPU, 8GB DDR4 RAM, and a 256GB NVMe SSD.



Windows 11 Pro



Dual Display Output



Efficient Intel Processor



Efficient Cooling



Upgradeable SSD

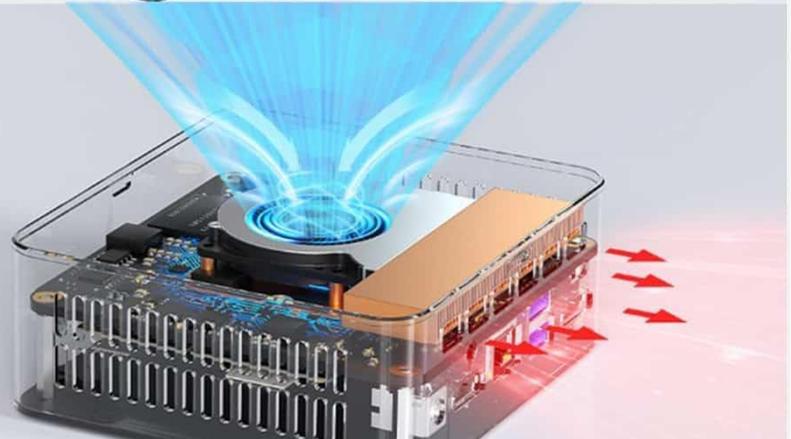


Fast Connectivity



## Efficient Cooling

Great for heat dissipation



**Image:** Front and rear view of the GMKTec G1 Mini PC, highlighting its various ports and power button. The front panel includes two USB 3.2 ports and a power button. The rear panel features a 3.5mm headphone/microphone jack, two USB 3.2 ports, DC 12V 4A power input, RJ45 Ethernet (2.5G), and two HDMI (4K@60Hz) outputs.

## SETUP INSTRUCTIONS

1. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports on the Mini PC.
2. **Connect Display:** Use an HDMI cable to connect your monitor or TV to one of the HDMI ports on the rear of the Mini PC. The device supports dual 4K HDMI output.

## Dual 4K HDMI Output



Coming with Wi-Fi 6



Equipped with Bluetooth 5.2



**Image:** The GMKTec G1 Mini PC connected to two monitors, demonstrating its dual 4K HDMI output capability. The image also highlights Wi-Fi 6 and Bluetooth 5.2 connectivity.

3. **Connect Power:** Connect the power adapter to the DC 12V 4A input port on the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.
5. **Optional VESA Mounting:** If desired, you can mount the Mini PC to the back of a compatible monitor using a VESA mounting bracket (sold separately or included in some packages). Attach the bracket to the Mini PC, then secure it to the VESA mount points on your monitor.

## Future-Proof



**Image:** The GMKtec G1 Mini PC being mounted to the back of a monitor using a VESA bracket, demonstrating its space-saving installation option.

6. **Initial Setup:** Follow the on-screen instructions to complete the initial setup of the Windows operating system. This typically involves setting up user accounts, network connections, and basic preferences.

## OPERATING INSTRUCTIONS

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### Operating System

Your GMKtec G1 Mini PC comes pre-installed with Windows. Familiarize yourself with the Windows interface for navigation, application management, and system settings.

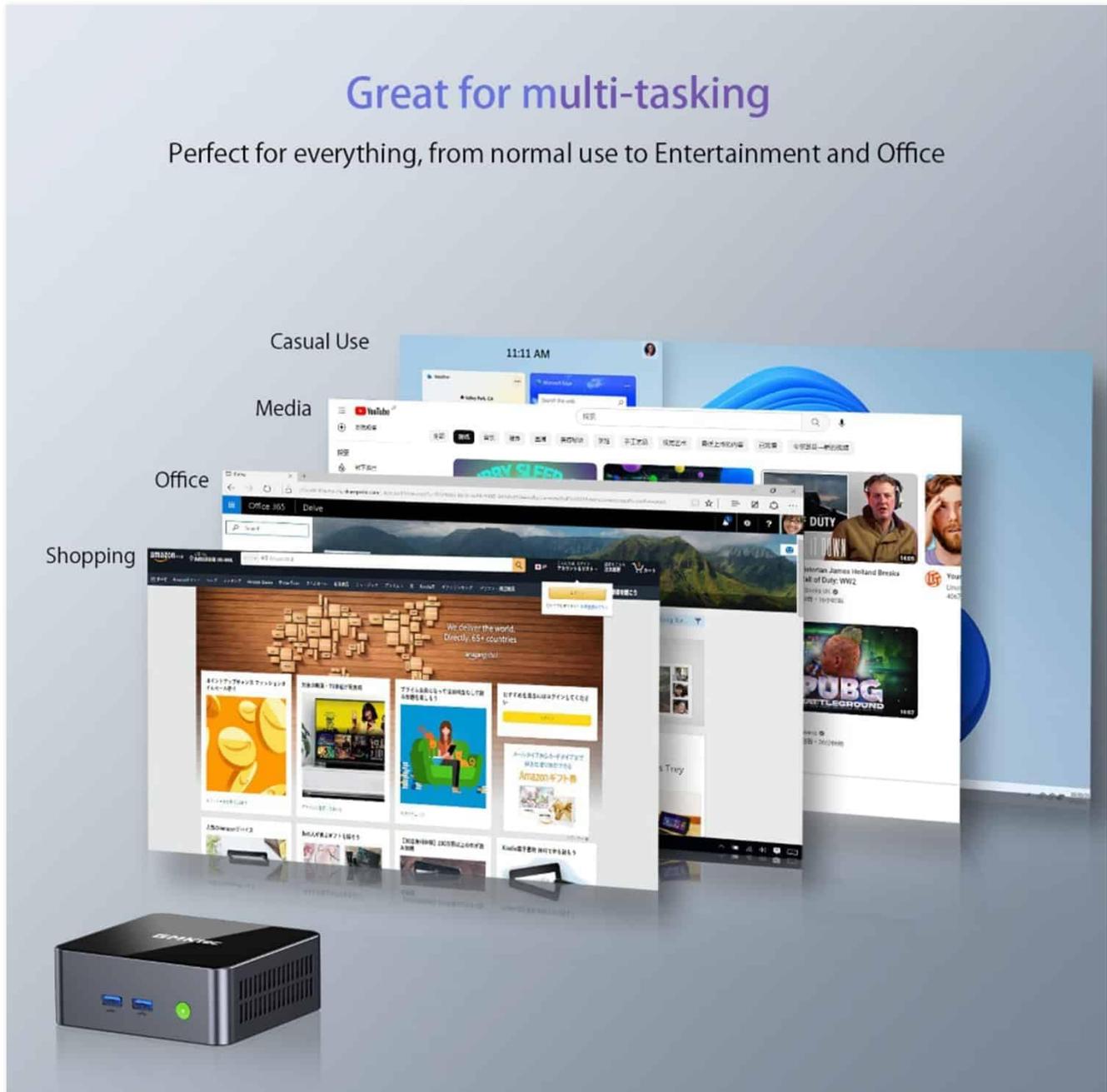
### Connectivity

- **Wi-Fi:** The Mini PC supports Wi-Fi 6 for high-speed wireless internet access. To connect, go to Windows Settings > Network & Internet > Wi-Fi, select your network, and enter the password.
- **Bluetooth:** Equipped with Bluetooth 5.2, you can connect wireless peripherals such as keyboards, mice, and headphones. Go to Windows Settings > Devices > Bluetooth & other devices to pair new devices.
- **Ethernet:** For a stable wired connection, connect an Ethernet cable to the RJ45 2.5G Ethernet port on the rear

of the device.

## Multi-tasking and Performance

The GMKTec G1 Mini PC is designed for efficient multi-tasking, suitable for casual use, media consumption, office applications, and light gaming.



**Image:** The GMKTec G1 Mini PC shown with a monitor displaying multiple open applications, including web browsers, media players, and office software, illustrating its multi-tasking capabilities.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. Avoid liquid cleaners directly on the device. Use compressed air to clear dust from vents periodically to maintain optimal cooling.
- **Software Updates:** Regularly update your Windows operating system and drivers to ensure security and performance.
- **Storage Management:** Periodically check your storage usage and delete unnecessary files to maintain system speed. The 256GB NVMe SSD can be upgraded.

## Out of sight, out of mind



**Image:** An internal view of the GMK Tec G1 Mini PC, illustrating the location of the upgradeable M.2 2280 NVMe (PCIe 3.0) SSD and DDR4 3200 MT/s SO-DIMM RAM.

- **Cooling:** Ensure the Mini PC is placed in a well-ventilated area. Do not block the ventilation openings. The device features efficient cooling for heat dissipation.

# Experience the future

Smaller form-factor, giving you back important desk real-estate



Image: A diagram illustrating the efficient cooling system of the GMKTec G1 Mini PC, showing airflow and internal components like the fan and heat sinks designed for effective heat dissipation.

## TROUBLESHOOTING

### No Power / System Not Starting:

- 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.
- Press and hold the power button for 5-10 seconds to perform a hard reset, then try powering on again.

### No Display on Monitor:

- Check that the HDMI cable is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source (HDMI 1, HDMI 2, etc.).
- Try a different HDMI cable or monitor if available.

### No Internet Connection:

- For Wi-Fi, check if Wi-Fi is enabled in Windows settings and if you are connected to the correct network with the right password.

- For Ethernet, ensure the cable is properly connected to both the Mini PC and your router/modem. Check your router/modem status.
- Restart your router/modem and the Mini PC.

#### Slow Performance:

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure there is sufficient free space on the SSD.
- Run a virus scan to check for malware.

## SPECIFICATIONS

Feature	Detail
Brand	DroiX (Manufacturer: GMK)
Model Number	NucBox G1
Processor	12th Gen Intel N95 CPU (4 Cores, 4 Threads, up to 3.4 GHz)
Operating System	Windows
RAM	8 GB DDR4 (SODIMM)
Storage	256 GB NVMe SSD (PCIe x4, M.2 2280)
Graphics	Integrated UHD Graphics
Display Output	2 x HDMI (Supports 4K@60Hz)
USB Ports	4 x USB 3.2
Ethernet	1 x RJ45 (2.5G)
Wireless Connectivity	Wi-Fi 6, Bluetooth 5.2
Audio	3.5mm Headphone & Microphone Jack
Power Input	DC 12V 4A
Dimensions	11.4 x 10.6 x 4.2 cm (approximate, based on comparison image)
Weight	1.1 kilograms (package dimensions)

## Powered by the 12th Gen Intel CPU



Intel Alderlake  
N95



4コア  
4スレッド



Windows  
11 Pro



TDP  
15W



16GB  
1TB



Burst Frequency  
3.4GHz



Over 30% Improvement in both performance and stability

Alderlake-N95	<div style="background: linear-gradient(to right, orange, yellow); height: 10px; width: 100%;"></div>	2872
N5105	<div style="background-color: #95a5a6; height: 10px; width: 90%;"></div>	2548
N5095	<div style="background-color: #95a5a6; height: 10px; width: 80%;"></div>	2320
J4125	<div style="background-color: #95a5a6; height: 10px; width: 60%;"></div>	1603



**Image:** A visual representation of the 12th Gen Intel N95 CPU powering the GMKTec G1 Mini PC, along with a performance comparison chart showing its improvement over previous generations like N5105, N5095, and J4125.

## WARRANTY AND SUPPORT

### Warranty Information

The GMKTec G1 Mini PC comes with a **2-year warranty**. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

### Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact DroiX customer support. Refer to the contact information provided with your purchase or visit the official DroiX website for support resources.

