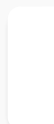


GMKtec M2

GMKtec Mini PC User Manual

Model: M2

Brand: GMKtec



1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and maintaining your GMKtec Mini PC. Please read this manual carefully before using the product to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1x GMKtec Nucbox M2 Mini PC
- 1x DC Power Plug
- 1x HDMI Cable
- 1x VESA Mount with Screws
- 1x User Manual (this document)



Figure 2.1: GMKtec Mini PC and its components.

3. PRODUCT OVERVIEW AND FEATURES

The GMKtec Mini PC is a compact yet powerful desktop computer designed for various applications, from office work to light gaming and home theater use. It features a robust Intel Core i7-11390H processor and versatile connectivity options.

3.1 Key Features

- **Processor:** Intel Core i7-11390H (4 Cores/8 Threads, Turbo up to 5.0 GHz)
- **Graphics:** Intel Iris Xe Graphics G7 96EU (1400MHz)
- **RAM:** 16GB DDR4 (expandable up to 64GB via dual-channel SODIMM slots)
- **Storage:** 1TB M.2 2280 NVMe SSD (PCIe3.0, expandable up to 2TB), with additional M.2 2242 SATA slot (expandable up to 2TB)
- **Operating System:** Windows 11 Pro (compatible with Ubuntu and Linux)
- **Display Support:** Triple display output (2x HDMI 4K@60Hz, 1x USB Type-C 4K@60Hz)
- **Network:** 2.5Gbps RJ45 Gigabit Ethernet, WiFi 6 (802.11ax), Bluetooth 5.2
- **Ports:** Multiple USB 3.2, USB 2.0, USB Type-C (DP/DATA), Audio (3.5mm CTIA), DC Port
- **Cooling:** Superconducting copper twin turbo cooling design with two-way convection air inlet for quiet operation.

- **Casing:** CNC Metal Casing for solid and stable build.
- **Dimensions:** Approximately 4.48 x 4.17 x 1.67 inches.

<p>Intel Core i7-11390H 4 Core/ 8 Threads</p> 		<p>11 Pro (compatible with Ubuntu and Linux)</p> 
 1TB (M.2 2280 PCIe 3.0 SSD (MAX 2TB))	 16GB (DDR4 SODIMM Slots x 2)	
<p>CNC Metal Casing</p> 		
 LAN (RJ45)*2500M	 USB3.2 Type-C 40Gbps (USB-A 3.2*4 USB-C 40Gbps *1)	 WiFi6 (3x the speed of WiFi 5)
 Intel Iris Xe Graphics 1400MHz		 24 Hour Customer Support (365 Days a Year)

Figure 3.1: Overview of the GMKtec Mini PC's core features.

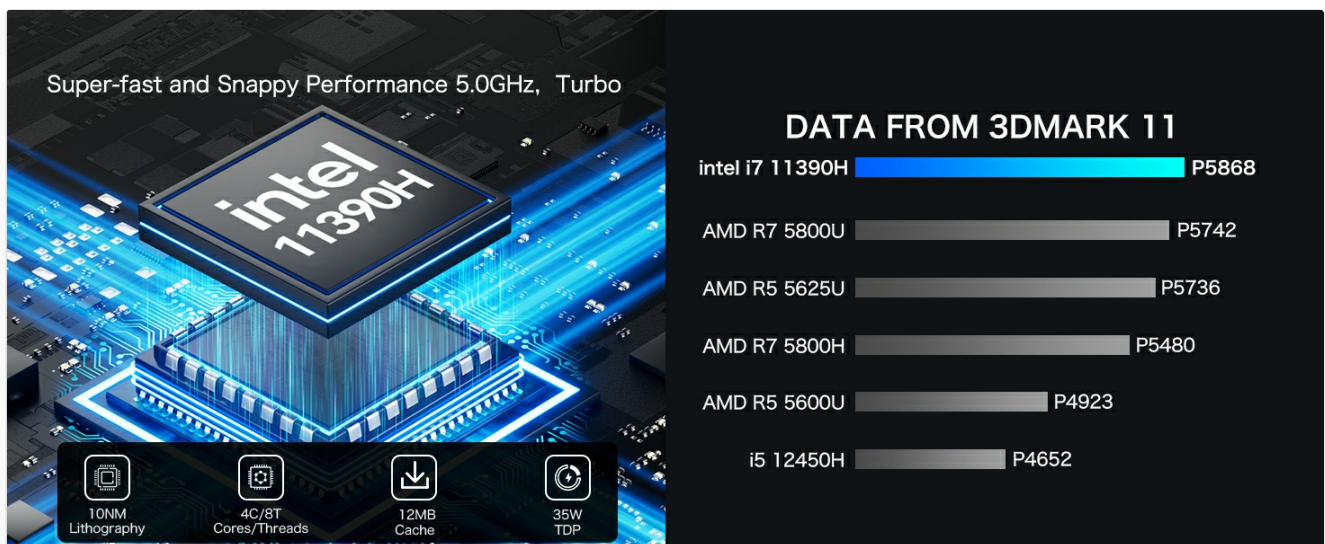


Figure 3.2: Performance data for the Intel Core i7-11390H processor.



Figure 3.3: Multi-purpose ports for diverse connectivity.



Figure 3.4: Superconducting copper twin turbo cooling design.

4. SETUP

Follow these steps for the initial setup of your Mini PC:

1. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can connect up to three displays using the HDMI and USB Type-C ports.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect Power:** Connect the DC power plug to the Mini PC and then to a power outlet.
4. **Power On:** Press the power button on the front of the Mini PC.
5. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, network connection, and user account creation.

Figure 4.1: Triple display setup capability.

4.1 VESA Mount Installation

The Mini PC supports VESA mounting for space-saving installation behind a monitor or on a wall.

1. Attach the VESA mount bracket to the back of your monitor using the provided screws.
2. Slide the Mini PC onto the VESA mount until it clicks securely into place.

SPACE-SAVING VESA INSTALLATION & DESKTOP PLACEMENT



Desktop Placement



VESA Installation

Figure 4.2: Desktop placement and VESA installation options.

5. OPERATING THE MINI PC

Your GMKtec Mini PC is designed for versatile use. Here are some common applications:

5.1 Home & Office Desktop Work

The powerful Intel Core i7-11390H processor and ample RAM ensure smooth performance for everyday tasks, including web browsing, document editing, and running multiple applications simultaneously.

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Video 5.1: Overview of the GMKtec Mini PC's features and various use cases, including home and office desktop work, gaming, and home theater. This video demonstrates the compact size, multiple ports, powerful processor, and cooling system.

5.2 Light & Moderate Gaming

With Intel Iris Xe Graphics, the Mini PC can handle light to moderate gaming. Adjust game settings for optimal performance.

5.3 Home Theater & Media Consumption

Connect to your TV for a 4K home theater experience. The Mini PC supports high-resolution video playback and streaming.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Mini PC, consider the following maintenance tips:

- **Keep it Clean:** Regularly clean the exterior with a soft, dry cloth. Use compressed air to clear dust from the ventilation grilles to maintain efficient cooling.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions for security and performance improvements.
- **Proper Ventilation:** Ensure the Mini PC is placed in a well-ventilated area and that the cooling vents are not obstructed.
- **Safe Shutdown:** Always shut down the PC properly through the operating system to prevent data corruption.

QUICK DISASSEMBLY DESIGN WITHOUT ANY TOOLS

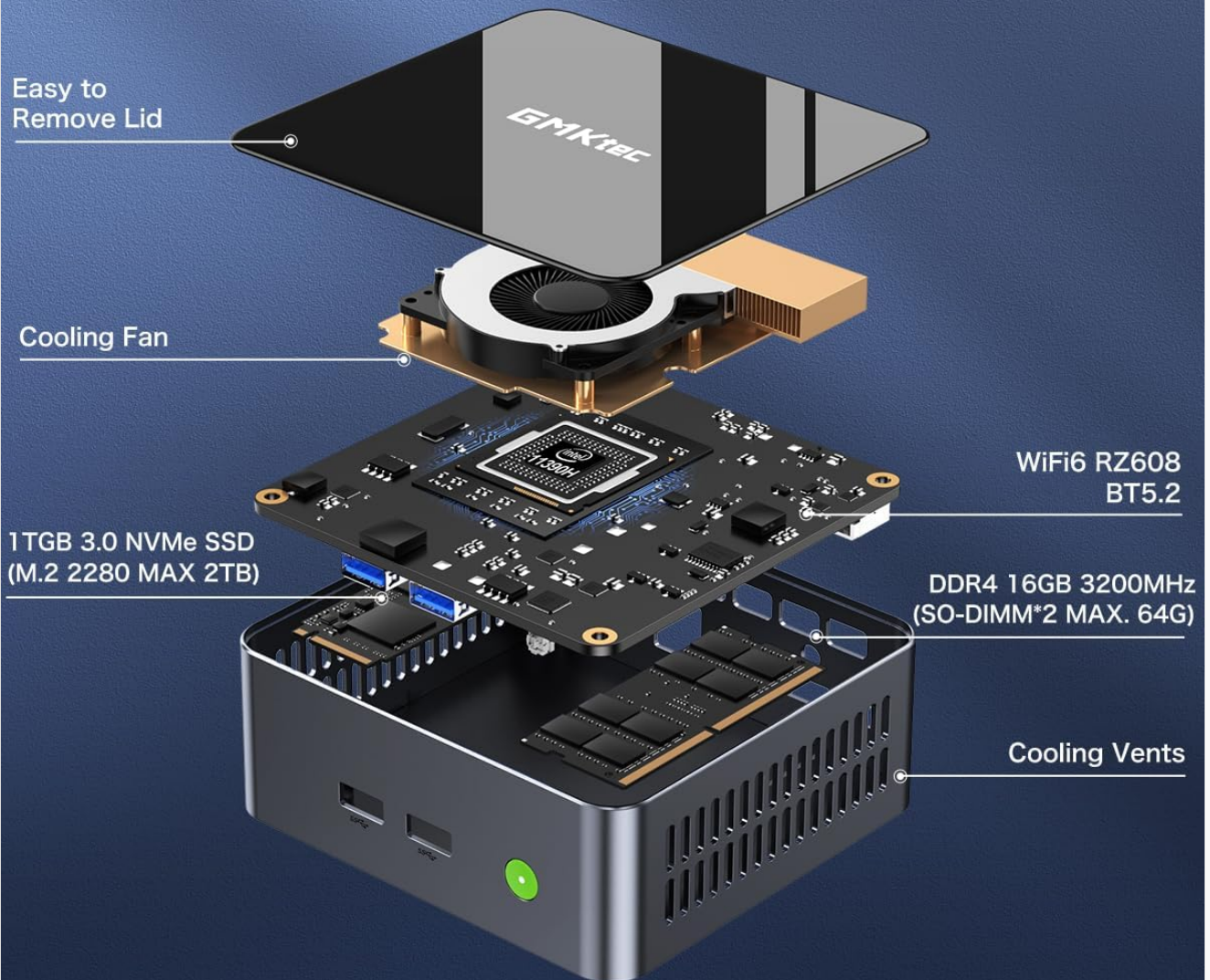


Figure 6.1: Quick disassembly design for potential upgrades or cleaning.

7. TROUBLESHOOTING

If you encounter issues with your Mini PC, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display output	Loose cable, incorrect input on monitor, power issue.	Check HDMI/USB-C cable connections. Ensure monitor is on correct input. Verify power adapter is securely connected.
PC does not power on	Power adapter not connected, faulty power outlet.	Ensure power adapter is fully plugged into PC and wall outlet. Try a different outlet.
Slow performance	Too many applications running, insufficient RAM, overheating.	Close unnecessary programs. Check for background processes. Ensure proper ventilation and clean dust from vents. Consider RAM upgrade if frequently running demanding tasks.
No Wi-Fi/Bluetooth connection	Drivers not installed, Wi-Fi/Bluetooth disabled, hardware issue.	Check device manager for driver issues. Ensure Wi-Fi/Bluetooth is enabled in Windows settings. Restart the PC.

If the issue persists, please contact GMKtec customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	GMKtec
Series	Nucbox M2
Item Model Number	M2
Processor	Intel Core i7-11390H (5 GHz Turbo)
RAM	16GB LPDDR4 (3200 MHz, expandable to 64GB)
Hard Drive	1TB M.2 2280 NVMe (PCIe3.0, expandable to 2TB) / M.2 2242 SATA (expandable to 2TB)
Graphics Coprocessor	Intel Iris Xe 1400MHz
Operating System	Windows 11 Pro
Max Screen Resolution	3840 x 2160 pixels (4K)
Wireless Type	2.4 GHz, 5 GHz, 5.8 GHz Radio Frequency, 802.11ax (WiFi 6), Bluetooth 5.2
Ethernet	2.5Gbps RJ45 Gigabit Ethernet
USB Ports	1x USB 2.0, 4x USB 3.0, 1x USB4.0 (Type-C with DP/DATA)
Video Output	2x HDMI (4K@60Hz), 1x USB Type-C (4K@60Hz)
Item Weight	3.21 pounds
Package Dimensions	6.42 x 6.26 x 4.8 inches

Feature	Detail
Color	Black

9. WARRANTY AND SUPPORT

GMKtec provides customer support for its products. For any technical assistance, warranty claims, or further inquiries, please refer to the contact information below:

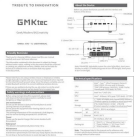


- **Customer Support:** GMKtec-US (Seller on Amazon)
- **Online Support:** Visit the official GMKtec website or their Amazon store page for FAQs and contact options.
- **Warranty Information:** Please refer to the warranty card included with your product or the official GMKtec website for detailed warranty terms and conditions.

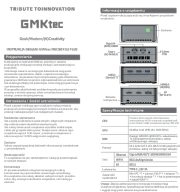


Note: Information regarding specific warranty duration or direct contact methods (email/phone) is typically provided with the product or on the manufacturer's official support channels.



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Related Documents - M2

	<p>GMKtec EVO-T1 Mini PC User Manual: Specifications and Setup Guide</p> <p>Comprehensive user manual for the GMKtec EVO-T1 Mini PC, detailing technical specifications, connection steps, BIOS settings, power modes, safety precautions, and compliance information.</p>
	<p>GMKtec M6 Mini PC User Manual</p> <p>Comprehensive user manual for the GMKtec M6 Mini PC, detailing specifications, setup, operation, and troubleshooting for this compact desktop computer powered by AMD R5 6600H.</p>
	<p>GMKtec NUCBOX G5 User Manual and Specifications</p> <p>This document provides a user manual, specifications, and setup guide for the GMKtec NUCBOX G5 Mini PC. It covers safety precautions, device interfaces, technical specifications, connection steps, and basic settings.</p>

	<p>GMKtec NUCBOX G2 PLUS User Manual and Safety Information</p> <p>Comprehensive user manual for the GMKtec NUCBOX G2 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and operational guidelines.</p>
	<p>GMKtec NUCBOX7/7S Mini PC User Manual - Specifications & Setup Guide</p> <p>Comprehensive user manual for GMKtec NUCBOX7 and NUCBOX7S mini PCs, covering setup, technical specifications, safety, and warranty information.</p>
	<p>GMKtec NUCBOX7/7S User Manual - Setup, Specifications, and Support</p> <p>Comprehensive user manual for GMKtec NUCBOX7 and NUCBOX7S mini PCs, covering setup, technical specifications, safety precautions, and warranty information.</p>