

GMKtec Nucbox K9

GMKtec K9 Mini PC User Manual

Model: Nucbox K9 with Intel Core Ultra 5 125H Processor

- Contents
- Setup
- Operation
- Introduction
- Maintenance
- Troubleshooting
- Package
- Specifications
- Warranty & Support

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your GMKtec K9 Mini PC. The K9 Mini PC is a compact desktop computer powered by the Intel Core Ultra 5 125H processor, designed for various computing tasks including office work, content creation, and entertainment.



Image: Front view of the GMKtec K9 Mini PC, showcasing its compact design and front ports.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- GMKtec Nucbox K9 Intel Core Ultra 5 125H Mini PC
- Power Supply & Cable
- VESA Mount with Screws
- HDMI Cable
- User Manual (this document)

RETAIL BOXED PACKAGING



1. Nucbox K9 Mini PC

2. Power Supply & Cable

3. User Manual

4. HDMI Cable

5. VESA Mount with Screws

Image: Contents of the GMKtec K9 Mini PC retail box, including the mini PC, power adapter, HDMI cable, VESA mount, and user manual.

3. SETUP GUIDE

3.1 Initial Connection

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the provided HDMI cable or a DisplayPort/USB-C cable (not included). The device supports triple screen display via HDMI, DisplayPort, and USB4 Type-C.

2. **Connect Peripherals:** Plug in your keyboard, mouse, and other USB devices into the available USB ports.
3. **Connect Network:** For a wired connection, connect an Ethernet cable to one of the two 2.5Gbps LAN ports. For wireless, ensure your WiFi network is available during initial setup.
4. **Connect Power:** Connect the power adapter to the DC IN port on the Mini PC, then plug the power cable into an electrical outlet.

RICH INTERFACE

For Business, Office, Gaming, Home



2.5G LAN



TYPE-C



HDMI



USB



CTIA

Kensington Lock

USB 3.2 Gen2*2
(10Gbit/s)

HDMI 2.0 (4K@60Hz)
DisplayPort (4K@144Hz)

Giga LAN
(RJ45 2.5G)*2

DC IN

RESET

3.5mm
CTIA

Power Button

USB 3.2 Gen2*2
(10Gbit/s)

Type-C
(Thunderbolt 4/USB 4.0)

Image: Detailed view of the GMKtec K9 Mini PC's front and rear ports, including USB, HDMI, DisplayPort, LAN, and power input.

3.2 First Boot and Operating System Setup

1. **Power On:** Press the power button located on the front of the Mini PC.
2. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, network connection, and user account creation.
3. **Driver Installation:** The system typically comes with pre-installed drivers. If any issues arise, visit the official GMKtec support website for driver downloads.

4. OPERATING INSTRUCTIONS

4.1 Power Management

- **Power On:** Press the power button.
- **Shut Down:** In Windows, go to Start > Power > Shut down.
- **Restart:** In Windows, go to Start > Power > Restart.
- **Sleep:** In Windows, go to Start > Power > Sleep.

4.2 Connecting to Networks

- **Wired Connection:** Connect an Ethernet cable to either of the two 2.5Gbps LAN ports. The system will automatically detect the connection.
- **Wireless Connection (Wi-Fi 6):**
 - a. Click the Wi-Fi icon in the system tray.
 - b. Select your desired network and click "Connect".
 - c. Enter the network security key if prompted.
- **Bluetooth 5.2:**
 - a. Go to Windows Settings > Bluetooth & devices.
 - b. Ensure Bluetooth is turned on.
 - c. Click "Add device" and follow the instructions to pair your Bluetooth devices.

4.3 Multi-Display Configuration

The GMKtec K9 Mini PC supports up to three displays simultaneously using its HDMI, DisplayPort, and USB4 Type-C outputs.

- **HDMI:** Supports up to 4K@60Hz.
- **DisplayPort:** Supports up to 4K@144Hz.
- **USB4 Type-C:** Supports up to 8K@60Hz or 4K@144Hz. This port also supports power delivery up to 100W and data transfer up to 40 Gbps.

To configure multiple displays in Windows:

1. Connect all desired monitors to the Mini PC.
2. Right-click on the desktop and select "Display settings".
3. Here you can detect, arrange, and set the display mode (e.g., Extend, Duplicate) for your monitors.



Image: Illustration of the GMKtec K9 Mini PC connected to three external monitors, demonstrating its triple screen display capability.

5. MAINTENANCE AND UPGRADES

5.1 RAM and SSD Upgrades

The GMKtec K9 Mini PC features a disassembled design for easy upgrades of RAM and SSD. It supports:

- **RAM:** Dual Channel DDR5 5600MHz SO-DIMM, expandable up to 96GB (2x48GB).
- **SSD:** Dual M.2 2280 PCIe 4.0 NVMe SSD slots, expandable up to 4TB (2x2TB).

Procedure for Upgrades:

1. **Power Off:** Ensure the Mini PC is completely powered off and disconnected from the power supply.
2. **Open Case:** Carefully remove the top cover. Refer to the detailed instructions in the included user manual for specific steps on opening the chassis.
3. **Install Components:** Insert new RAM modules into the SO-DIMM slots or new M.2 SSDs into the NVMe slots. Ensure they are seated correctly.
4. **Close Case:** Reassemble the Mini PC, ensuring all screws and covers are securely fastened.



Image: Internal view of the GMKtec K9 Mini PC, highlighting the DDR5 RAM slots and M.2 2280 NVMe SSD slots for easy upgrades.

5.2 Cooling System

The Mini PC is equipped with dual cooling fans and multiple air vents to maintain optimal operating temperatures. Ensure that the air vents are not obstructed to allow for proper airflow.

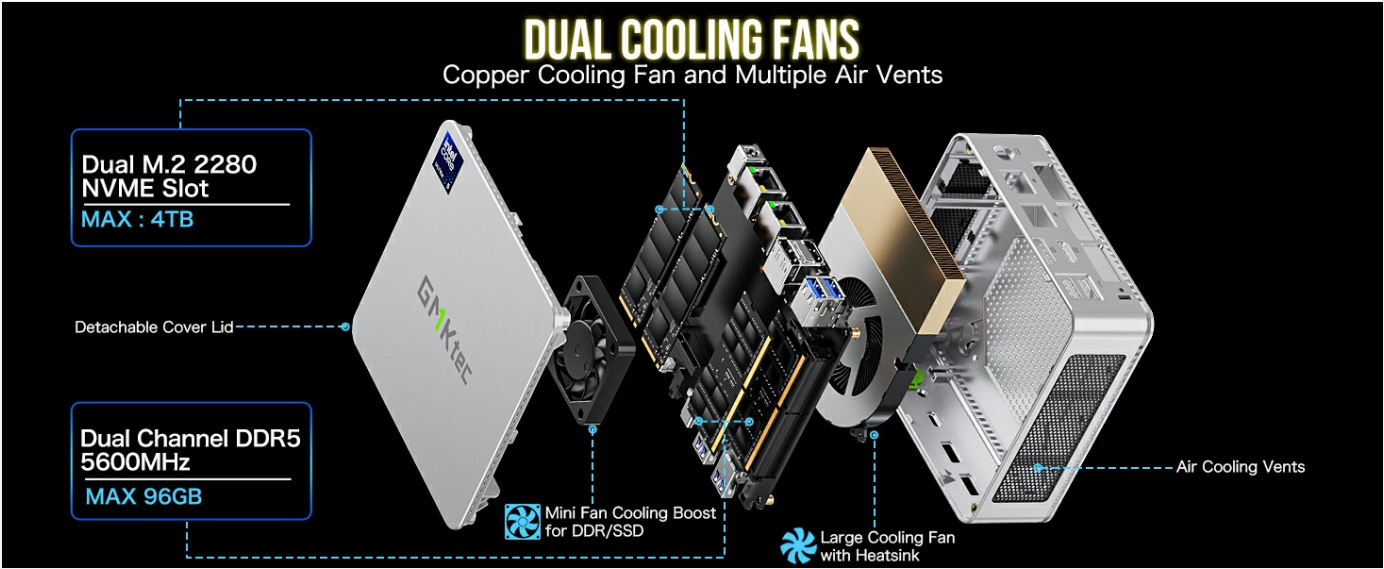


Image: Exploded view illustrating the dual cooling fans and air vents within the GMKtec K9 Mini PC for efficient heat dissipation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power adapter faulty; Power outlet issue.	Ensure power cable is securely connected. Test with a different power outlet. Contact support if adapter is suspected faulty.
No display	Monitor not connected; Incorrect input source on monitor; Faulty cable.	Check display cable connections. Ensure monitor input source is correct. Try a different cable or monitor.
Wi-Fi not connecting	Incorrect password; Router issue; Driver issue.	Verify Wi-Fi password. Restart router. Check device manager for Wi-Fi adapter status and update drivers if necessary.
Slow performance	Too many applications running; Insufficient RAM/SSD space; Overheating.	Close unnecessary applications. Check available storage and RAM. Ensure proper ventilation and clean dust from vents. Consider RAM/SSD upgrade if frequently encountering issues.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Processor	Intel Core Ultra 5 125H (14C/18T, up to 4.50GHz)
Graphics	Intel Arc Graphics (2.2 GHz), 8 Xe Cores 112EU
RAM	32GB DDR5 5600MHz (Dual Channel, expandable to 96GB)
Storage	1TB M.2 2280 PCIe 4.0 SSD (Dual slot, expandable to 4TB)

Feature	Detail
Operating System	Windows 11 Pro (Compatible with Linux, Ubuntu)
Networking	Dual 2.5Gbps LAN, WiFi 6 (2.4GHz/5.0GHz), Bluetooth 5.2
Video Output	1x HDMI (4K@60Hz), 1x DisplayPort (4K@144Hz), 1x USB4 Type-C (8K@60Hz or 4K@144Hz)
USB Ports	4x USB 3.2 Gen2 (10Gbps), 1x USB4 Type-C (40Gbps, PD 100W)
Audio	3.5mm CTIA Audio Jack
Dimensions (LxWxH)	5.07 x 5 x 1.88 inches
Weight	0.353 ounces (approx.)

8. WARRANTY AND SUPPORT

GMKtec offers a 1-year limited warranty for each Mini PC, effective from the date of purchase. This warranty covers defects due to design and workmanship.

8.1 Customer Support

For technical assistance or warranty claims, please contact GMKtec support:

- **Email Support:** support@gmktec.com (24/7 Customer Support)
- **Amazon Support:** Log in to your Amazon account, navigate to "Your Orders," and select "Ask Product Question" for the GMKtec K9 Mini PC.



Image: GMKtec brand logo.



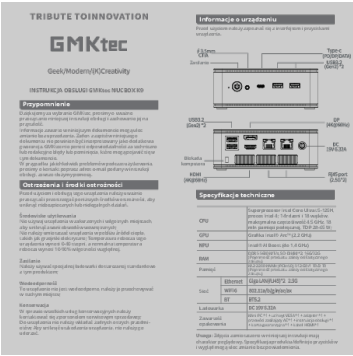
© 2024 GMKtec. All rights reserved.

Related Documents

	GMKtec M5 Mini PC: AMD Ryzen 7, 32GB RAM, 1TB SSD - Zmoĳljivost in Kompaktnost Odkrijte GMKtec M5 Plus Mini PC z AMD Ryzen 7 5825U procesorjem, 32GB DDR4 RAM in 1TB NVMe SSD. Idealen za delo, igranje in veĉopravilnost z napredno povezljivostjo WiFi 6E in dvojnimi 2.5G LAN.
---	---

	GMKtec NUCBOX7/7S User Manual User manual for the GMKtec NUCBOX7 and NUCBOX7S mini PCs, detailing specifications, safety precautions, connection steps, and after-sales support.
	GMKTEC NUCBOX3 User Manual: Features, Specifications, and Safety Comprehensive user manual for the GMKTEC NUCBOX3 mini PC, covering device features, technical specifications, safety precautions, FCC compliance, and warranty information.
	GMKtec NUCBOX G2 PLUS User Manual and Safety Information 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.

Documents - GMKtec – Nucbox K9



[pdf]

k9 pl Informacje o urządzeniu Max Elektro INSTRUKCJA OBSŁUGI GMKtec NUCBOX K9 Dziękujemy za wybranie prosimy uważne przeczytanie niniejszej instrukcji obsługi i zachowanie mini pc gmktec intel ultra 5 125h 32gb ram 1tb win 11 pro instrukcja obsługi maxelektro storage file pimcore import 2025 29 e29395a28a90e184c3f98ab1eedc6184 ||| Informacje o urzdzeniu Przed uyciem nalezy zapozna si z interfejsem i przyciskami urzdzenia. Zasilanie INSTRUKCJA OBSŁUGI GMKtec **NUCBOX K9** Przypomnienie Dzikujemy za wybranie GMKtec, prosimy o uwane przeczytanie niniejszej instrukcji obsługi i zachowanie jej na przyszło. Informacje zawarte w niniej... lang:pl score:37 filesize: 903.68 K page_count: 3 document date: 2025-03-31