GMKtec K7 PLUS

GMKtec K7 Plus Mini PC User Manual

Model: K7 PLUS | Brand: GMKtec

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your GMKtec K7 Plus Mini PC. Designed for high performance in a compact form factor, this mini PC is equipped with a 13th Gen Intel Core i7-13620H processor, 32GB DDR5 RAM, and a 2TB PCIe4.0 SSD, making it suitable for a wide range of applications from home office and media consumption to more demanding computing tasks. Please read this manual thoroughly before using your device to ensure proper functionality and longevity.

Figure 1: GMKtec K7 Plus Mini PC, showcasing its compact design and port layout.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your product packaging:

- GMKtec Mini PC Nucbox K7 Plus Intel Core i7 13620H with Windows 11 Pro
- Power Supply & Cable
- VESA Mount with Screws
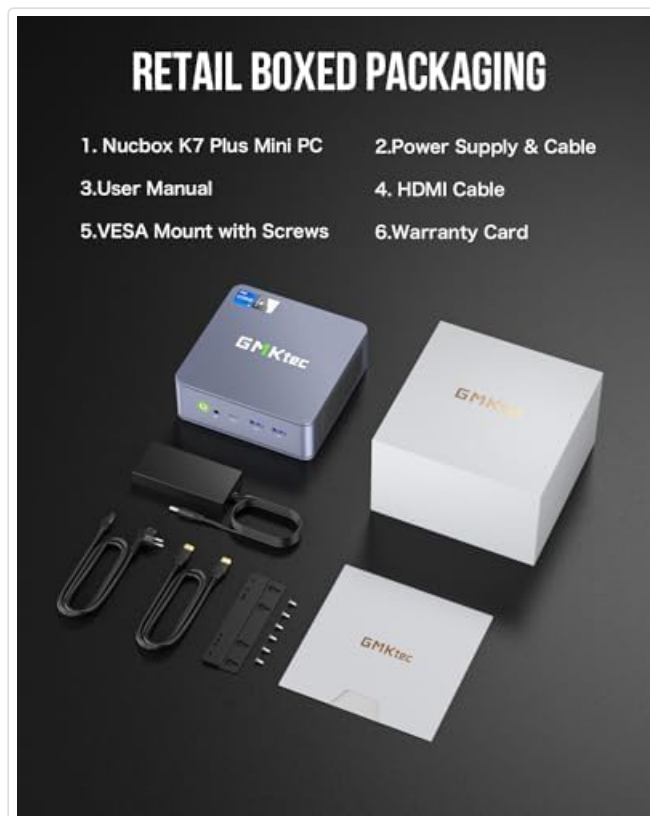- HDMI Cable
- User Manual

Figure 2: Contents included in the GMKtec K7 Plus retail packaging.

3. SETUP INSTRUCTIONS

Follow these steps to set up your GMKtec K7 Plus Mini PC:

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB-C ports. The device supports simultaneous triple screen display.
2. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports.
3. **Connect Network:** For wired internet, connect an Ethernet cable to one of the dual 2.5G LAN ports. For wireless, ensure Wi-Fi is enabled in Windows settings.
4. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the other end into a power outlet.

5. **Power On:** Press the power button located on the front of the Mini PC. The system will boot into Windows 11 Pro.

6. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, and user account creation.

7. **VESA Mount Installation (Optional):** Use the included VESA mount and screws to attach the Mini PC to the back of a compatible monitor for a clutter-free setup.
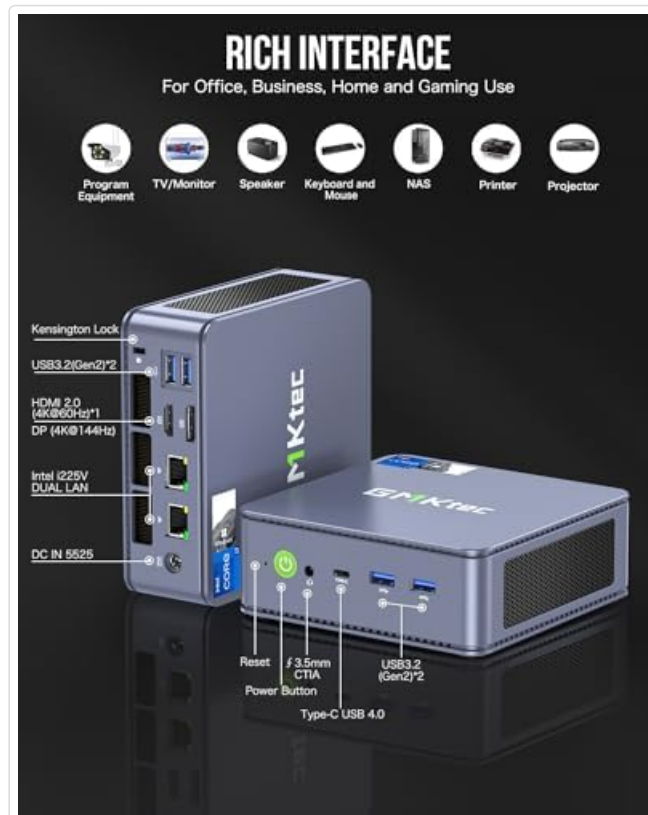

Figure 3: Detailed view of the rich interface ports on the GMKtec K7 Plus Mini PC.

4. OPERATING INSTRUCTIONS

The GMKtec K7 Plus Mini PC operates like a standard desktop computer running Windows 11 Pro. Here are some key operational aspects:

- **Power On/Off:** Press the power button to turn the device on. To turn off, use the Windows Start menu > Power > Shut down.
- **Triple Screen Display:** Utilize the HDMI, DisplayPort, and USB-C outputs to connect up to three monitors simultaneously for enhanced productivity or immersive entertainment. The DisplayPort supports 4K@144Hz, while HDMI and USB-C support 4K@60Hz.
- **Network Connectivity:** Benefit from dual 2.5G Gigabit Ethernet for ultra-fast wired network speeds, ideal for demanding applications like file storage servers or soft routing. Integrated Wi-Fi 6 and Bluetooth 5.2 provide high-speed wireless connectivity for all your devices.
- **USB 4.0 Functionality:** The advanced USB4 port offers a maximum transfer speed of 40 Gbps and supports 8K@60Hz display output. It can also power a 15W portable touch display (up to 100W power delivery).

Figure 4: Triple screen display setup with the GMKtec K7 Plus Mini PC.

Figure 5: Illustration of the dual 2.5G high-speed Ethernet performance.

5. KEY FEATURES

The GMKtec K7 Plus Mini PC offers a range of powerful features:

- **13th Gen Intel Core i7 Processor:** Powered by the Intel Core i7-13620H (10C/16T, up to 4.90GHz), delivering robust performance for demanding tasks while consuming only 90W of power.
- **Fast Memory and Expandable Storage:** Comes with 32GB DDR5 4800MHz RAM (expandable up to 64GB) and a 2TB PCIe Gen4 x4 SSD (expandable up to 8TB via dual M.2 2280 PCIE 4.0 Slots).

- **New Gen USB 4.0:** Advanced USB4 port supports 8K@60Hz display and 40 Gbps transfer speeds, compatible with external discrete video cards and portable displays.
- **DUAL 2.5G Lightning Fast Ethernet:** Intel i225v Dual 2.5 Gigabit Ethernet provides speeds up to 2.5x faster than 1Gbps, supporting various applications like firewalls and file storage.
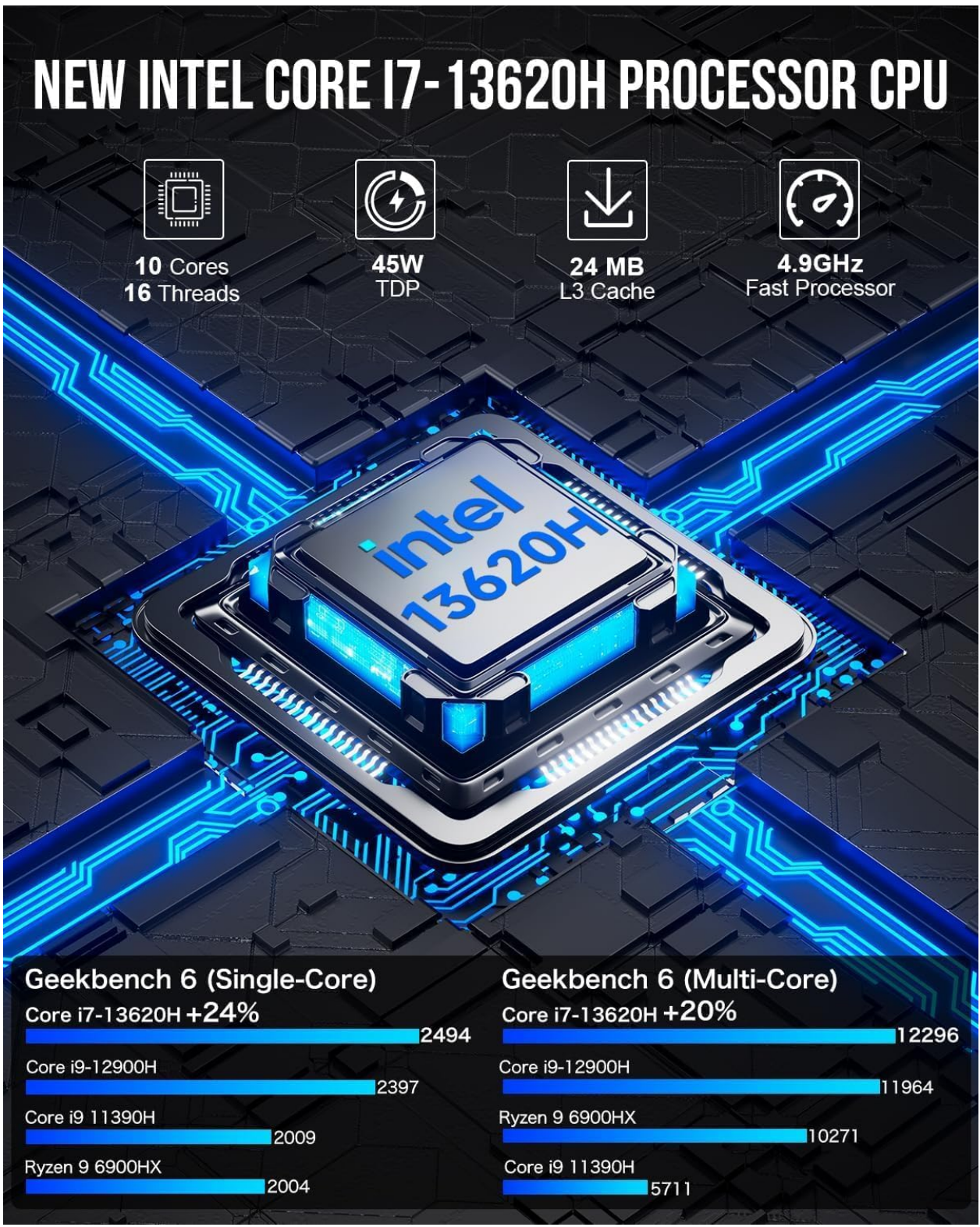- **4K Triple Screen Display:** Equipped with USB-C, DisplayPort (4K@144Hz), and HDMI outputs for simultaneous connection to three 4K displays.

Figure 6: Overview of the Intel Core i7-13620H processor capabilities.

Figure 7: Comprehensive feature summary of the GMKtec K7 Plus.

6. SPECIFICATIONS

Feature	Specification
Processor	Intel Core i7-13620H (Up to 4.9GHz)
RAM	32GB DDR5 4800MHz (Expandable up to 64GB)

Storage	2TB PCIe 4.0 M.2 2280 NVME SSD (Dual Slots, Max. 8TB)
Graphics Coprocessor	Intel UHD Graphics 1.5GHz
Max Screen Resolution	4096x2160 Pixels
Wireless Type	2.4 GHz, 5 GHz, 5.8 GHz Radio Frequency, 802.11ax (Wi-Fi 6), Bluetooth 5.2
Ethernet	Dual 2.5G Gigabit Ethernet (Intel i225v)
USB Ports	4 x USB 3.0 Ports, 1 x USB4.0 (Type-C)
Video Output	HDMI 2.0 (4K@60Hz), DisplayPort (4K@144Hz), USB-C (4K@60Hz)
Operating System	Windows 11 Pro
Item Weight	3.3 pounds
Package Dimensions	7.4 x 7.36 x 4.21 inches

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your GMKtec K7 Plus Mini PC:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from the air vents to prevent overheating.
- **Software Updates:** Keep your Windows 11 Pro operating system and drivers updated to the latest versions. This ensures security, stability, and performance improvements.
- **Storage Management:** Periodically check your storage usage and free up space by deleting unnecessary files or uninstalling unused applications.
- **Backup Data:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
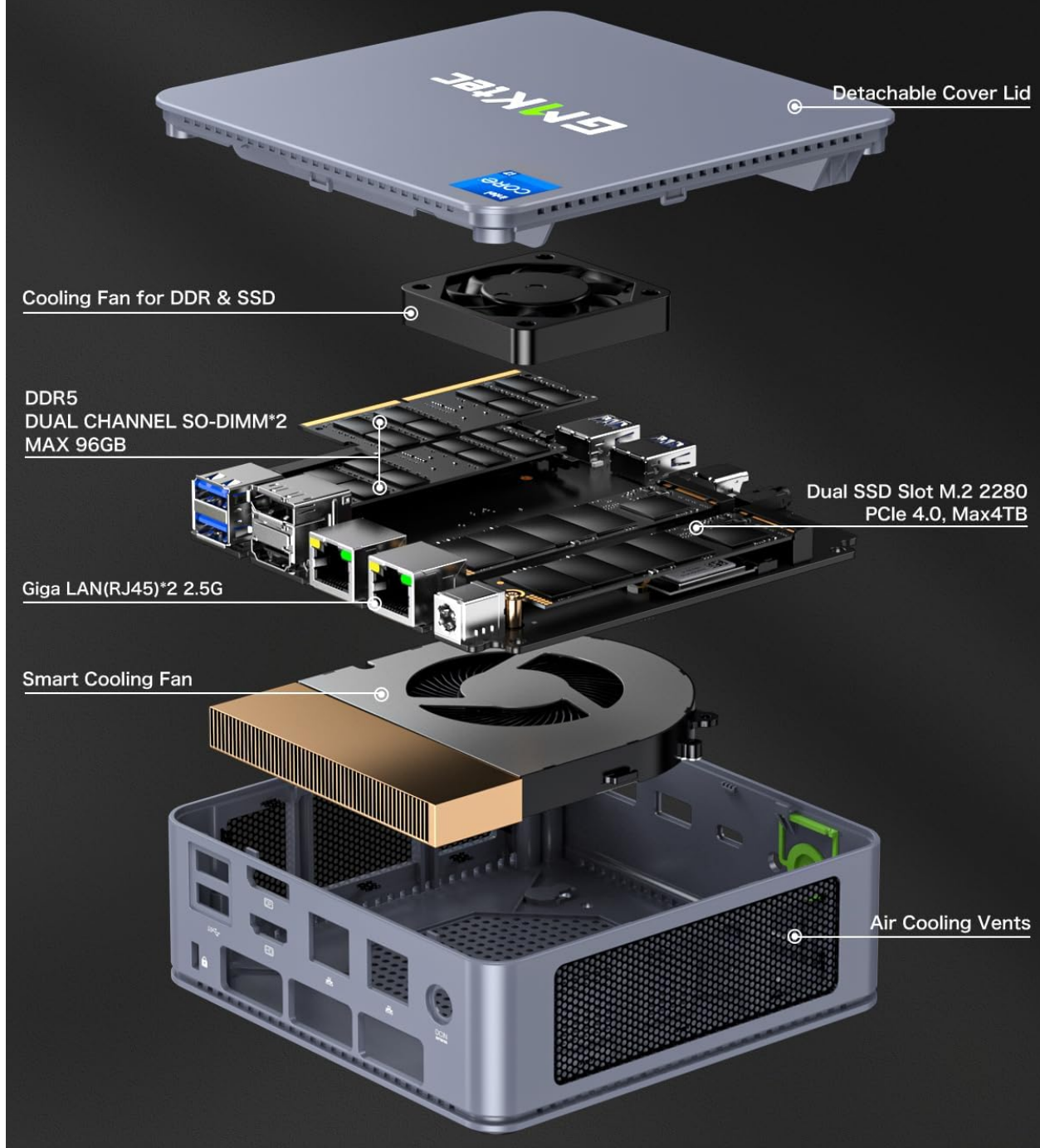
Figure 8: Internal components and design for maintenance access.

8. TROUBLESHOOTING

If you encounter issues with your Mini PC, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.
- **No Display:** Verify that the display cable (HDMI, DisplayPort, or USB-C) is securely connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source.

- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network with the right password. Restarting the Mini PC and your router can often resolve temporary network problems.
- **Slow Performance:** Close unnecessary applications, check for background processes consuming resources, and ensure sufficient free storage space. Consider running a disk cleanup or antivirus scan.
- **System Not Responding:** If the system freezes, press and hold the power button for 5-10 seconds to force a shutdown. Wait a few moments, then power it back on.
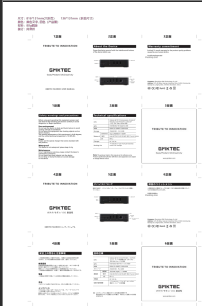
9. WARRANTY AND SUPPORT

GMKtec provides comprehensive support for its products:

- **Warranty:** The GMKtec K7 Plus Mini PC comes with a 1-year limited warranty from the date of purchase, covering defects due to design and workmanship.
- **Amazon Support:** For assistance with your purchase, you can contact Amazon support by logging into your Amazon account, navigating to 'Your Orders', and selecting 'Ask Product Question' for the GMKtec K7 Plus.
- **After-Sales Support:** For technical assistance or after-sales inquiries, you may also contact the GMKtec after-sales team directly via email at support@gmktec.com. They offer 24/7 customer support.
- **Protection Plans:** Additional protection plans, such as 3-Year Protection Plan or Complete Protect, may be available for purchase to extend coverage.
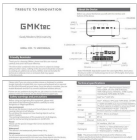
Related Documents - K7 PLUS

	GMKtec M6 Mini PC User Manual 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.
	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.
TRIBUTE TO INNOVATION **GMKtec** Geek/Modern/(K)Creativity Instrukcja obsługi GMKtec NUCBOX G5	**GMKtec NUCBOX G5 User Manual and Specifications** 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.

[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 EVO-T1 Mini PC User Manual: Specifications and Setup Guide](#)
Comprehensive user manual for the GMKtec EVO-T1 Mini PC, detailing technical specifications, connection steps, BIOS settings, power modes, safety precautions, and compliance information.

[GMKtec Mini PC Instrukcja Obsługi i Specyfikacje Techniczne](#)
Kompleksowa instrukcja obsługi i przegląd specyfikacji technicznych dla serii komputerów GMKtec Mini PC, obejmująca modele takie jak NUCBOX, G-Series, M-Series, K-Series, Evo-Series i inne.