GMKtec M2Pro S

GMKtec Mini PC M2Pro S User Manual

Model: M2Pro S

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GMKtec Mini PC M2Pro S. This compact desktop computer is equipped with an 11th generation Intel Core i7-1185G7 processor, 32GB DDR4 RAM, and a 512GB NVMe SSD, designed for efficient performance in various applications. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

PACKAGE CONTENTS

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

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

Image: Contents of the GMKtec Mini PC M2Pro S retail box.
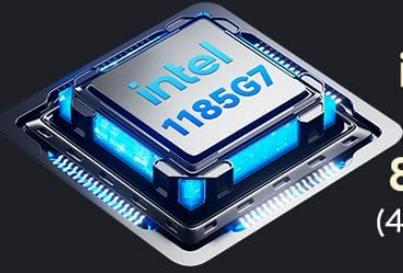
PRODUCT OVERVIEW

The GMKtec Mini PC M2Pro S is a high-performance, compact desktop solution. Key features include:

- **Processor:** 11th Gen Intel Core i7-1185G7 (up to 4.8 GHz, 4 Cores, 8 Threads, 12MB Cache)
- **Memory:** 32GB DDR4 SODIMM (dual-channel, expandable up to 64GB)
- **Storage:** 512GB M.2 2280 NVMe SSD (PCIe3.0, expandable up to 2TB), additional M.2 2242 SATA slot (expandable up to 2TB)
- **Graphics:** Intel Iris Xe Graphics G7 96EU
- **Display Output:** Supports triple 4K displays via 2 x HDMI (4K@60Hz) and 1 x USB Type-C (4K@60Hz)
- **Network:** 2.5Gbps LAN (RJ45), WiFi 6 (802.11ax), Bluetooth 5.2
- **Ports:** USB 3.2, USB Type-C (40Gbps), Audio (3.5mm CTIA)
- **Cooling:** Upgraded quiet cooling fan with copper vapor chamber and multiple exhaust vents

Image: Front view of the GMKtec Mini PC M2Pro S.

i7-1185G7 4 Core 8 Threads
(4.8GHz Turbo)

Additional Function
1. Auto Power On
2. Wake On LAN
3. Compatible with Linux, Win 10, Ubuntu

512GB
(M.2 2280 PCIe 3.0 SSD (MAX 2TB))

32GB Crucial
(DDR4 SODIMM Slots x 2)

CNC Metal Casing

LAN
(RJ45)*2500M

USB3.2 Type-C 40Gbps
(USB-A 3.2*3 USB-C 40Gbps *1)
USB-A 2.0*1

WiFi6
(3x the speed of WiFi 5)

Intel Iris Xe Graphics 1350MHz
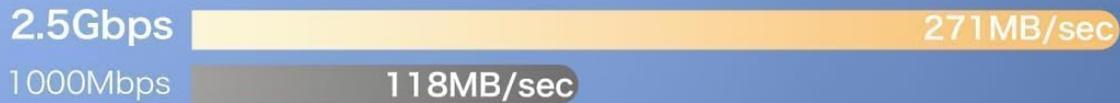
24 Hour Customer Support
(365 Days a Year)

Bluetooth5.2
(Faster Stable Connection)

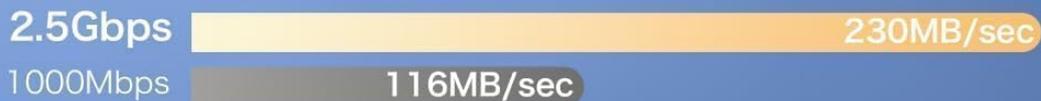Image: Overview of the GMKtec Mini PC M2Pro S features and specifications.

Image: Detailed view of the multi-purpose ports on the GMKtec Mini PC M2Pro S.

SETUP GUIDE

1. **Connect Peripherals:** Connect your monitor(s) using the HDMI or USB Type-C ports. Connect your keyboard and mouse to the available USB ports.

2. **Network Connection:** For a wired connection, plug an Ethernet cable into the 2.5Gbps LAN port. For wireless, the device supports WiFi 6 and Bluetooth 5.2, which can be configured after initial boot.

3. **Power Connection:** Connect the provided power adapter to the DC IN port on the mini PC and then to a

power outlet.

4. **Power On:** Press the power button located on the front of the mini PC. The system will boot up.

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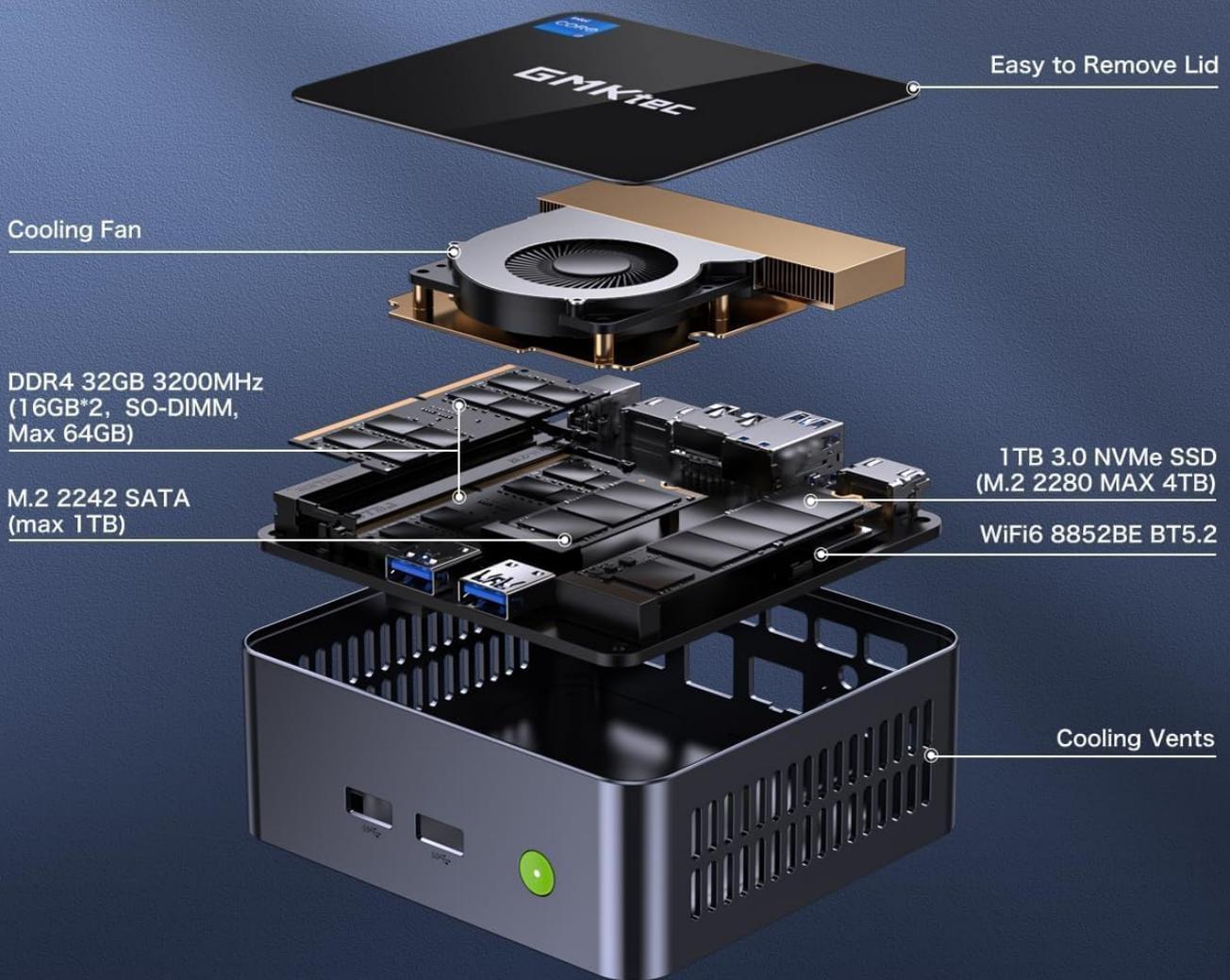

Image: Desktop placement and VESA mount installation options for the Mini PC.

OPERATING INSTRUCTIONS

Power On/Off

- **To Power On:** Press the power button on the front of the device.
- **To Shut Down:** Click the Start button in Windows, then select Power > Shut down.
- **To Restart:** Click the Start button in Windows, then select Power > Restart.

Triple Display Setup

The GMKtec Mini PC M2Pro S supports up to three 4K displays simultaneously. Connect your monitors to the available HDMI ports and the USB Type-C port. Once connected, Windows will automatically detect the displays. You can configure display settings (e.g., extend, duplicate) via **Settings > System > Display**.
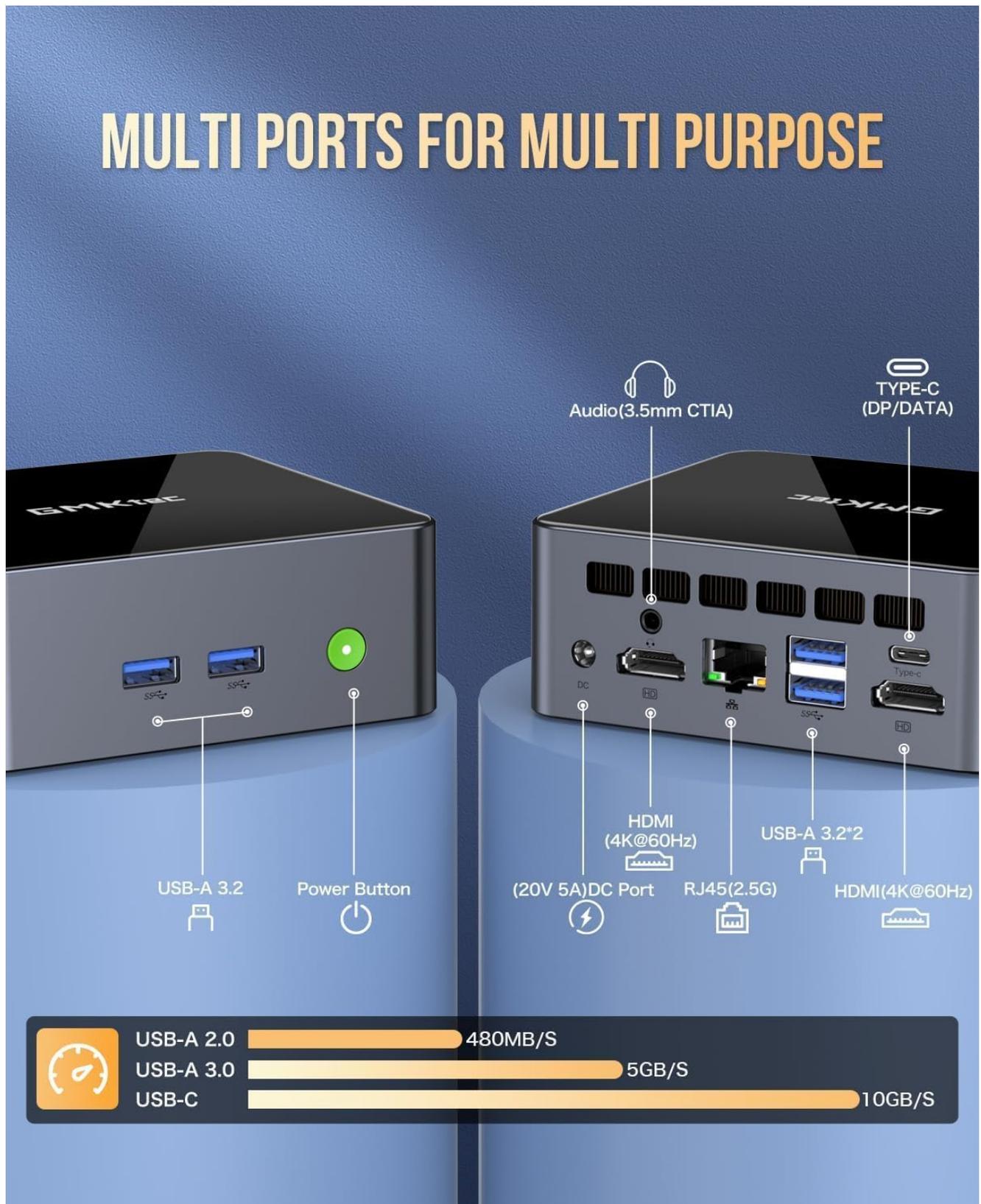
Image: Example of a triple 4K display setup with the Mini PC.

Network Connectivity

- **Wired (LAN):** Connect an Ethernet cable to the RJ45 port for a stable 2.5Gbps connection.
- **Wireless (WiFi):** Access network settings in Windows to connect to a WiFi 6 network.
- **Bluetooth:** Pair Bluetooth devices (e.g., headphones, keyboard, mouse) via Windows Bluetooth settings.

MAINTENANCE AND UPGRADES

Storage Expansion

The GMKtec Mini PC M2Pro S supports storage expansion:

- The existing M.2 2280 NVMe (PCIe3.0) SSD can be upgraded to a maximum of 2TB.
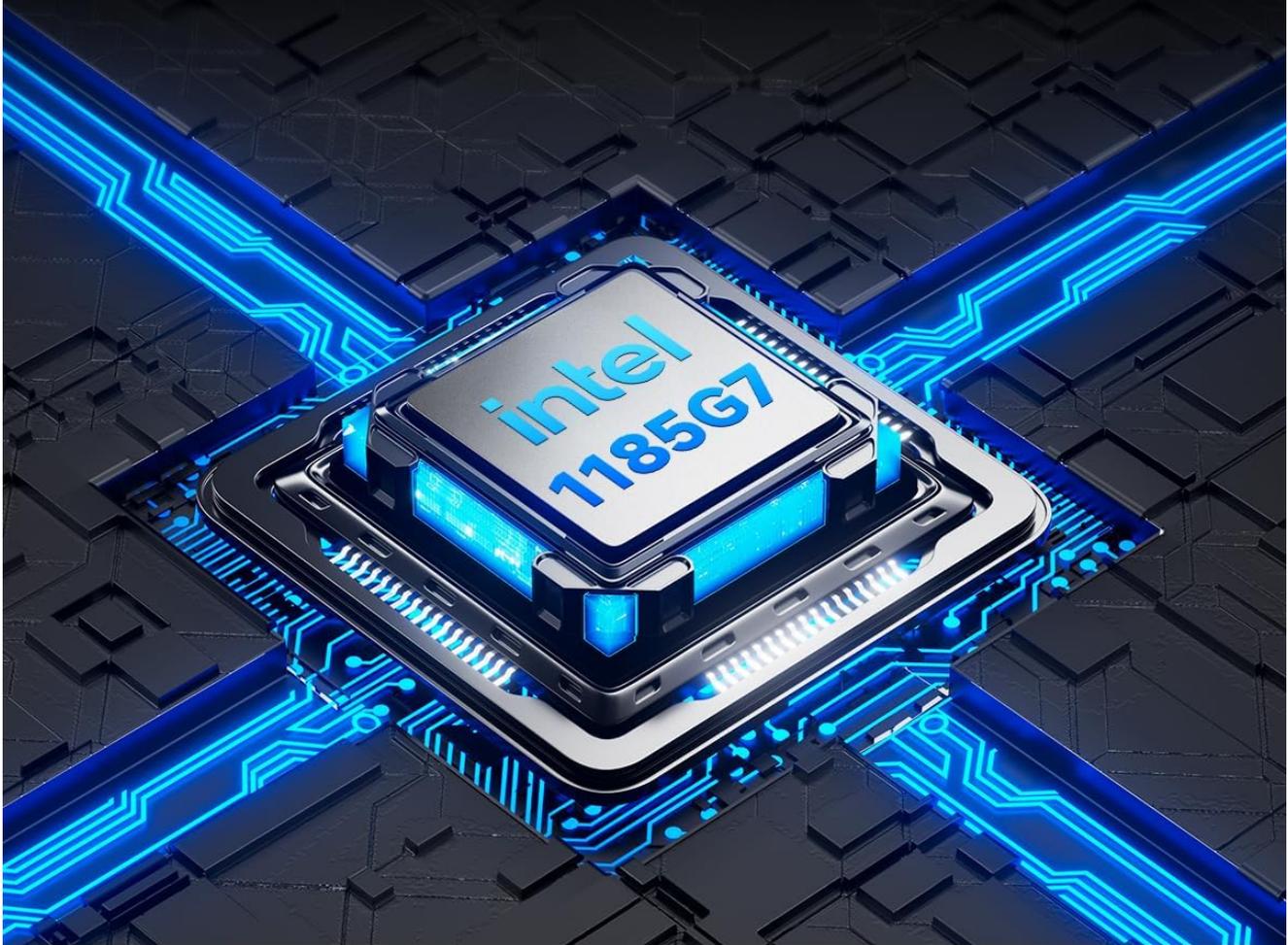- An additional M.2 2242 SATA slot is available for expansion up to 2TB.

RAM Expansion

The device comes with 32GB DDR4 SODIMM RAM in a dual-channel configuration. It can be expanded up to a maximum of 64GB by replacing the existing modules with higher capacity ones.

Accessing Internal Components

The mini PC features a quick disassembly design for easy access to internal components for upgrades or maintenance. Carefully remove the lid to access the RAM and SSD slots. Refer to the diagram below for guidance.

INTEL CORE I7-1185G7, THE BEASE FREQUENCY OF PROCESSOR IS 3.4GHZ, UP TO 4.8GHZ

intel
1185G7

PERFORMANCE

RAM 32GB
ROM 512GB

intel Intel Iris Xe Graphics

Intel i7-1185G7	11965
Intel i5-11320H	10071
Intel i7-10810H	8303
AMD Ryzen 7 3750H	8250
Intel i5-8279U	8126

Image: Quick disassembly design for internal component access.

Image: Illustration of the upgraded quiet cooling fan system.

TROUBLESHOOTING

If you encounter issues with your GMKtec Mini PC M2Pro S, refer to the following common solutions:

- **No Power:** Ensure the power adapter is securely connected to both the mini PC and a working power outlet. Check the power button for any damage.

- **No Display:** Verify that the monitor is powered on and correctly connected to the mini PC via HDMI or USB Type-C. Try a different cable or monitor if possible. Ensure the correct input source is selected on your

monitor.

- **No Network Connection (Wired):** Check if the Ethernet cable is properly connected to both the mini PC and your router/modem. Verify router status.

- **No Network Connection (Wireless):** Ensure WiFi is enabled in Windows settings. Check if the correct WiFi network is selected and the password is entered correctly.

- **Slow Performance:** Close unnecessary applications. Check for background processes. Ensure sufficient free storage space. Consider upgrading RAM or SSD if performance issues persist after basic troubleshooting.

- **Windows Activation Issues:** If you experience problems activating Windows 11 Pro, ensure your internet connection is active. If the issue persists, contact GMKtec customer support for assistance.

For further assistance, please contact GMKtec customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	GMKtec
Model Number	M2 Pro S
Processor	Intel Core i7-1185G7 (4.8 GHz Turbo, 4 Cores, 8 Threads)
RAM	32GB DDR4 SDRAM (3200 MHz, Dual-channel, expandable to 64GB)
Storage	512GB M.2 2280 NVMe SSD (PCIe 3.0, expandable to 2TB), M.2 2242 SATA slot (expandable to 2TB)
Graphics Coprocessor	Intel Iris Xe Graphics G7 96EU
Max Screen Resolution	5120 x 2880 Pixels
Operating System	Windows 11 Pro
Wireless Type	WiFi 6 (802.11ax), Bluetooth 5.2
LAN	2.5Gbps RJ45 Ethernet
USB Ports	3 x USB 3.2, 1 x USB Type-C (40Gbps)
Video Output	2 x HDMI (4K@60Hz), 1 x USB Type-C (4K@60Hz)
Audio Port	3.5mm CTIA
Item Weight	3.3 pounds
Package Dimensions	6.38 x 6.26 x 4.69 inches

WARRANTY AND SUPPORT

Your GMKtec Mini PC M2Pro S comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or

warranty claims, please contact GMKtec customer service directly. Contact information can typically be found on the GMKtec official website or through the seller from whom you purchased the product.

The seller for this product is **GMKtec Store**. Please reach out to them for product-specific inquiries.