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GAMEKM ROBIN III

GAMEKM ROBIN III Gaming PC Case User Manual

Model: ROBIN III

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GAMEKM ROBIN III Gaming PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance of your system components.



Image 1.1: The GAMEKM ROBIN III Gaming PC Case, showcasing its tempered glass panels, internal layout, and multiple fan mounts with illuminated RGB fans (fans not included with case).

2. PRODUCT FEATURES

- **Motherboard Compatibility:** Supports ATX and Micro-ATX motherboard form factors.
- **Power Supply Support:** Designed for ATX power supplies, mounted at the bottom rear.
- **Storage Options:** Accommodates two 2.5-inch HDDs/SSDs and two 3.5-inch HDDs/SSDs.
- **CPU Cooler Clearance:** Supports CPU coolers up to 160mm in height.
- **GPU Clearance:** Supports graphics cards up to 400mm in length and 165mm in height.
- **Expansion Slots:** Features 7 PCIe expansion slots for multiple graphics cards or other expansion cards.
- **Cooling System:** Designed for extensive air cooling with multiple 120mm fan mounts and compatibility with 360mm water cooling radiators.
- **Material:** Constructed with tempered glass panels for durability and aesthetic appeal.

Compatible device



Support ATX/Micro ATX motherboard, The graphics card is limited to 400mm is length and 165mm in height

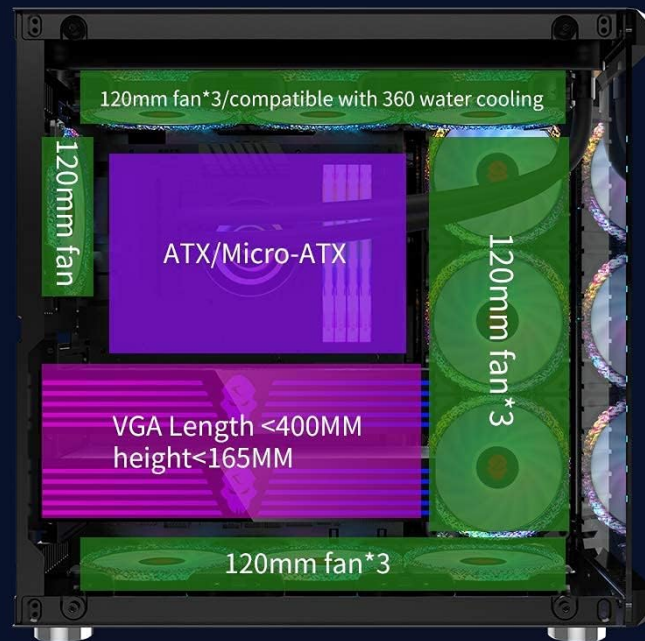


Image 2.1: An internal diagram illustrating the compatible dimensions for ATX/Micro-ATX motherboards, VGA length and height, and various 120mm fan placements, including 360mm water cooling compatibility.

Graphics card

Horizontal/Vertical Graphics Card

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Image 2.2: Detail showing the installation area for a graphics card, supporting both horizontal and vertical mounting options (vertical mount hardware not included).

7 slot expansion

”

Support 3 graphics cards, plenty of space, installation without pressure

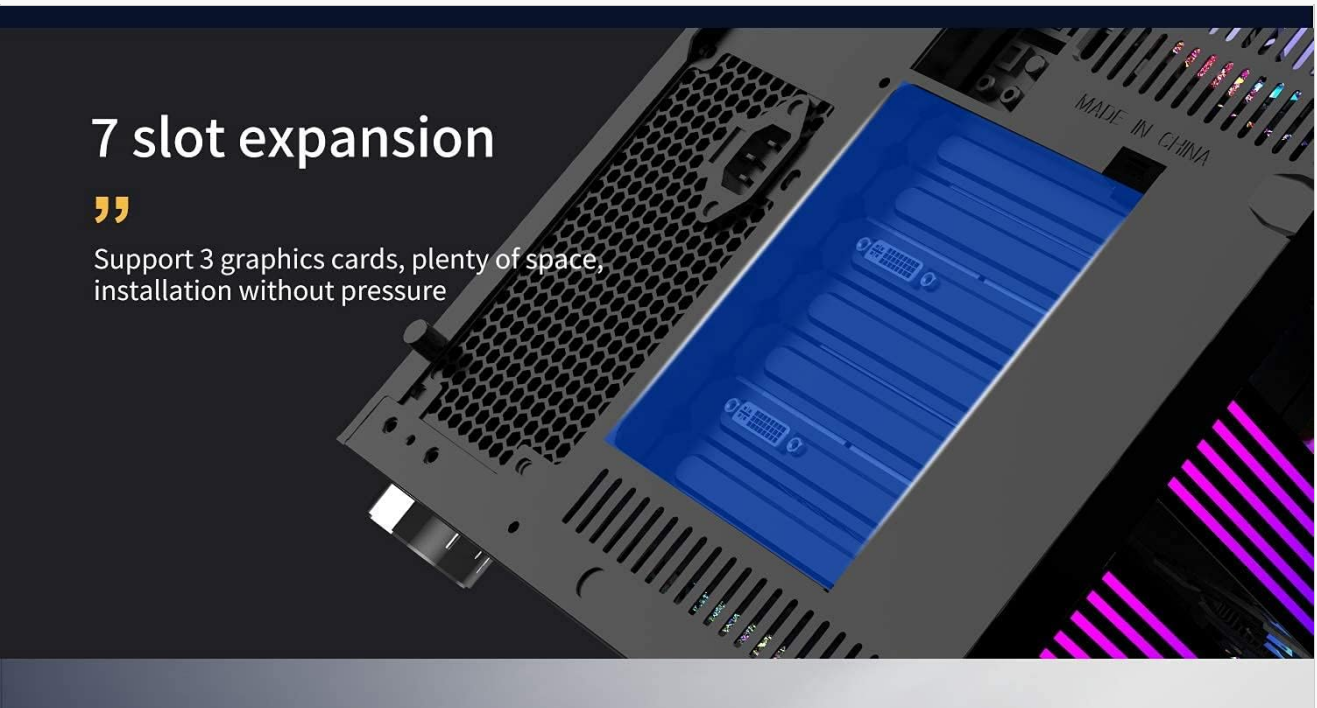


Image 2.3: A view of the 7 expansion slots, highlighted in blue, indicating ample space for multiple graphics cards or other PCIe devices.

3. SPECIFICATIONS

Feature	Specification
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Product Dimensions (L*W*H)	440mm * 280mm * 427mm (including foot pad height)
Motherboard Compatibility	ATX, Micro-ATX
Power Supply Support	Lower 200mm ATX power supply
CPU Radiator (Cooler) Height Limit	Up to 165mm
Graphics Card Support	Limited to 400mm length and 165mm height
Hard Disk Support	2.5-inch HDD/SSD * 2, 3.5-inch HDD/SSD * 2
PCIe Expansion Slots	7
Interface Support	HD Audio, USB 3.0 * 1, USB 1.0 * 2
Cooling System (Air/Water)	Front: 120mm fan * 3; Bottom: 120mm fan * 3; Top: 120mm fan * 3 (compatible with 360 water cooling); Rear: 120mm fan * 1
Case Type	Tower
Material	Tempered Glass

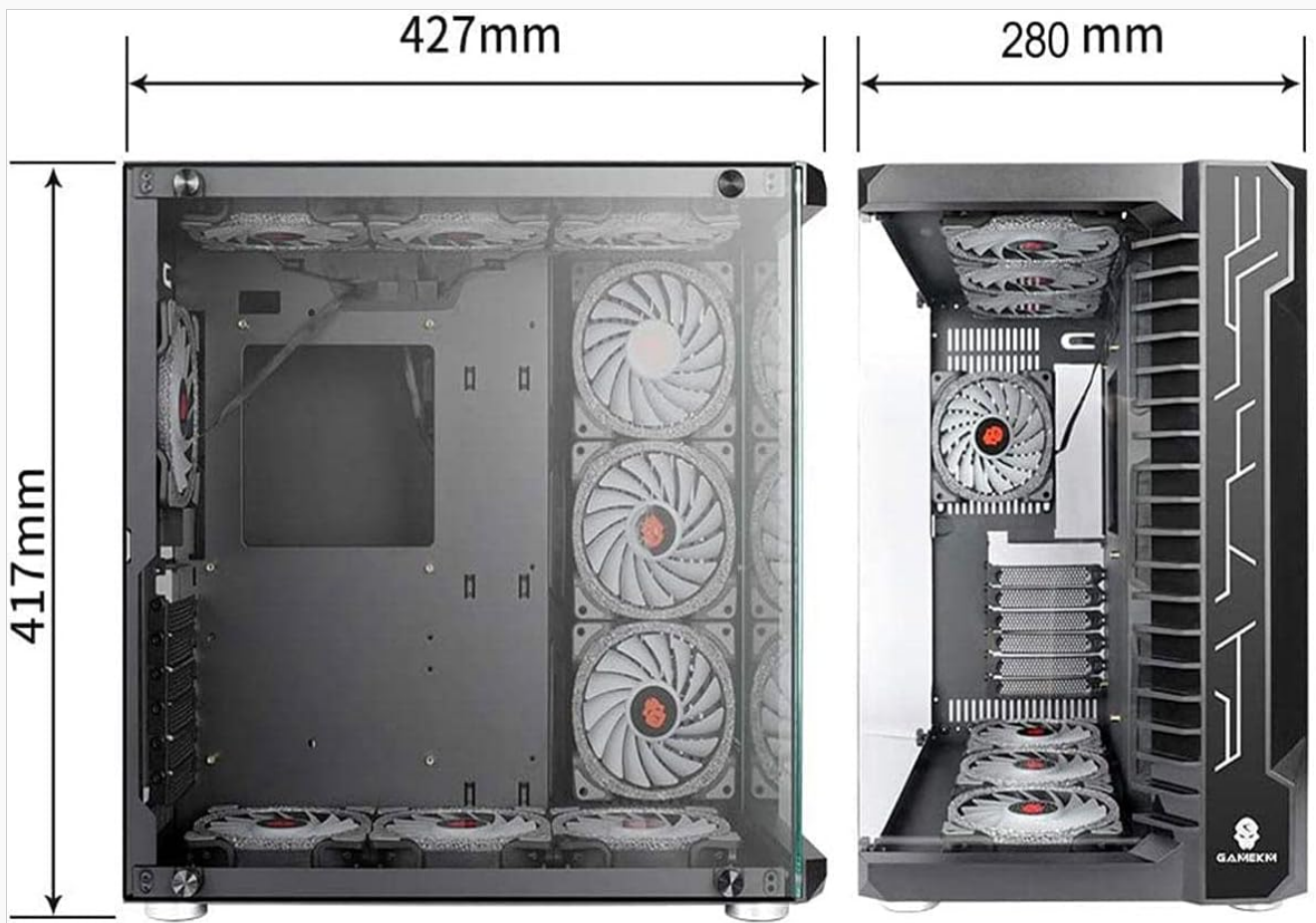


Image 3.1: Visual representation of the case dimensions, indicating a length of 427mm, a width of 280mm, and a height of 417mm.

Package size:	L510*W390*H550MM
Product Size:	L440*W280*H427MM (including foot pad height)
Applicable motherboard:	ATX; Micro-ATX
Power support:	Lower 200MM power supply
CPU radiator:	up to 165MM
Graphics support:	Limited to 400mm in length and 165mm in height
Hard disk support:	HDD*2 and SSD*2
PCI-E:	7
Interface support:	HD Audio; USB 3.0*1; USB 1.0*2
Air/Water cooling system:	Front: 120mm fan*3; Bottom:120mm fan*3; Top:120mm fan*3; (compatible with 360 water cooling) Near: 120mm fan*1

Image 3.2: A comprehensive table outlining various product specifications, including physical dimensions, component compatibility, and cooling configurations.

4. SETUP AND INSTALLATION

Before starting, ensure you have all necessary components and tools, including a screwdriver set, zip ties for cable management, and anti-static precautions.

4.1. Opening the Case

The GAMEKM ROBIN III case features tempered glass side panels. Carefully remove the screws securing the side panels, then gently slide or lift them off. Place them on a soft, flat surface to prevent scratches.



Image 4.1: An exploded diagram illustrating the various removable parts of the PC case, including the front, top, and side panels, and fan mounting locations.

4.2. Motherboard Installation

1. Install the I/O shield into the rear opening of the case.
2. Align your ATX or Micro-ATX motherboard with the standoffs inside the case. Ensure all standoffs match the motherboard's screw holes.
3. Secure the motherboard with the provided screws.

4.3. Power Supply Installation

1. Position your ATX power supply in the designated lower rear compartment.
2. Secure the power supply to the case using screws from the rear.

4.4. Storage Drive Installation

Install 2.5-inch SSDs/HDDs and 3.5-inch HDDs into their respective drive bays or mounting points. Refer to the case's internal structure for specific locations, typically behind the motherboard tray or in dedicated drive cages.

4.5. Graphics Card and Expansion Card Installation

1. Remove the necessary PCIe slot covers from the rear of the case.
2. Insert your graphics card or other expansion cards into the motherboard's PCIe slots.
3. Secure the cards with screws.

4.6. Cooling System Installation (Fans/Radiators)

Install 120mm fans in the front, bottom, top, and rear mounting locations as desired. For water cooling, a 360mm radiator can be mounted at the top. Ensure fans are oriented correctly for optimal airflow (intake/exhaust).

4.7. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables. This improves airflow and aesthetics.

5. OPERATING GUIDELINES

Once all components are installed and secured, and cables are managed:

1. Replace the tempered glass side panels and secure them with their screws.
2. Connect all external peripherals (monitor, keyboard, mouse, power cable).
3. Power on your system.

Monitor system temperatures, especially during initial use, to ensure adequate cooling. The case's design supports robust airflow for high-performance components.

6. MAINTENANCE

Regular maintenance helps maintain optimal performance and longevity of your PC components.

6.1. Dust Filter Cleaning

The GAMEKM ROBIN III case includes magnetic dust filters to prevent dust buildup. Periodically remove and clean these filters by gently brushing or washing them with water. Ensure they are completely dry before reattaching.



Image 6.1: A magnetic dust filter being removed from the top panel of the case for cleaning.

6.2. Interior Cleaning

Occasionally, open the case and use compressed air to remove dust from internal components and fan blades. Always ensure the system is powered off and unplugged before performing interior cleaning.

7. TROUBLESHOOTING

If you encounter issues during or after assembly, consider the following common troubleshooting steps:

- **System Not Powering On:** Double-check all power connections, including the 24-pin ATX connector, 8-pin CPU power, and GPU power cables. Ensure the power supply switch is in the 'ON' position.
- **No Display Output:** Verify that the monitor cable is connected to the graphics card (not the motherboard's integrated graphics ports, unless you are using integrated graphics). Reseat the graphics card and RAM modules.
- **Overheating:** Ensure all case fans are installed correctly and spinning. Check fan orientation for proper airflow. Verify CPU cooler installation and thermal paste application.
- **Loose Connections:** A common cause of issues is a loose cable. Recheck all internal connections, especially front panel headers (power button, USB, audio).

8. WARRANTY AND SUPPORT

For specific warranty information and technical support, please refer to the documentation provided with your purchase or visit the official GAMEKM website. Keep your proof of purchase for warranty claims.

