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- › SAMA /
- › SAMA NEVIEW 4503 Mid Tower PC Case Instruction Manual

## SAMA NEVIEW 4503

# SAMA NEVIEW 4503 Mid Tower PC Case Instruction Manual

Model: NEVIEW 4503

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## 1. PRODUCT OVERVIEW

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The SAMA NEVIEW 4503 is a mid-tower PC case designed for high-performance computer builds. It features dual tempered glass panels for component visibility, pre-installed ARGB fans for cooling and aesthetics, and a spacious interior for various hardware configurations. This manual provides essential information for assembly, operation, and maintenance.



Image 1.1: SAMA NEVIEW 4503 Mid Tower PC Case, showcasing its dual tempered glass panels and pre-installed ARGB fans.

## 2. KEY FEATURES

- **Dual Tempered Glass Panels:** Front and side panels provide a clear view of internal components.
- **Pre-installed ARGB Fans:** Four 120mm ARGB fans with a custom hub are included for efficient cooling and customizable lighting.
- **High Airflow Design:** Supports up to 7x 120mm or 6x 140mm fans and top-mounted 360mm radiators for

optimal thermal performance.

- **Wide Hardware Compatibility:** Accommodates E-ATX, ATX, Micro-ATX, and Mini-ITX motherboards, GPUs up to 430mm, CPU coolers up to 183mm, and ATX PSUs up to 238mm.
- **Tool-Free Panels:** Simplifies installation and upgrades.
- **Adjustable I/O Design:** Front I/O panel can be relocated for user convenience.
- **Efficient Cable Management:** Ample routing space behind the motherboard tray (33mm deep) ensures a clean build.
- **Easy Maintenance:** Magnetic dust filters on the top and bottom facilitate cleaning.

## 3. SETUP AND INSTALLATION

### 3.1 Unpacking and Initial Inspection

Carefully remove the PC case from its packaging. Inspect for any signs of damage during transit. Retain all packaging materials for future transport or warranty claims.

### 3.2 Panel Removal

The tempered glass side and front panels are designed for tool-free removal. Gently pull the panels to detach them. This provides full access to the interior for component installation.

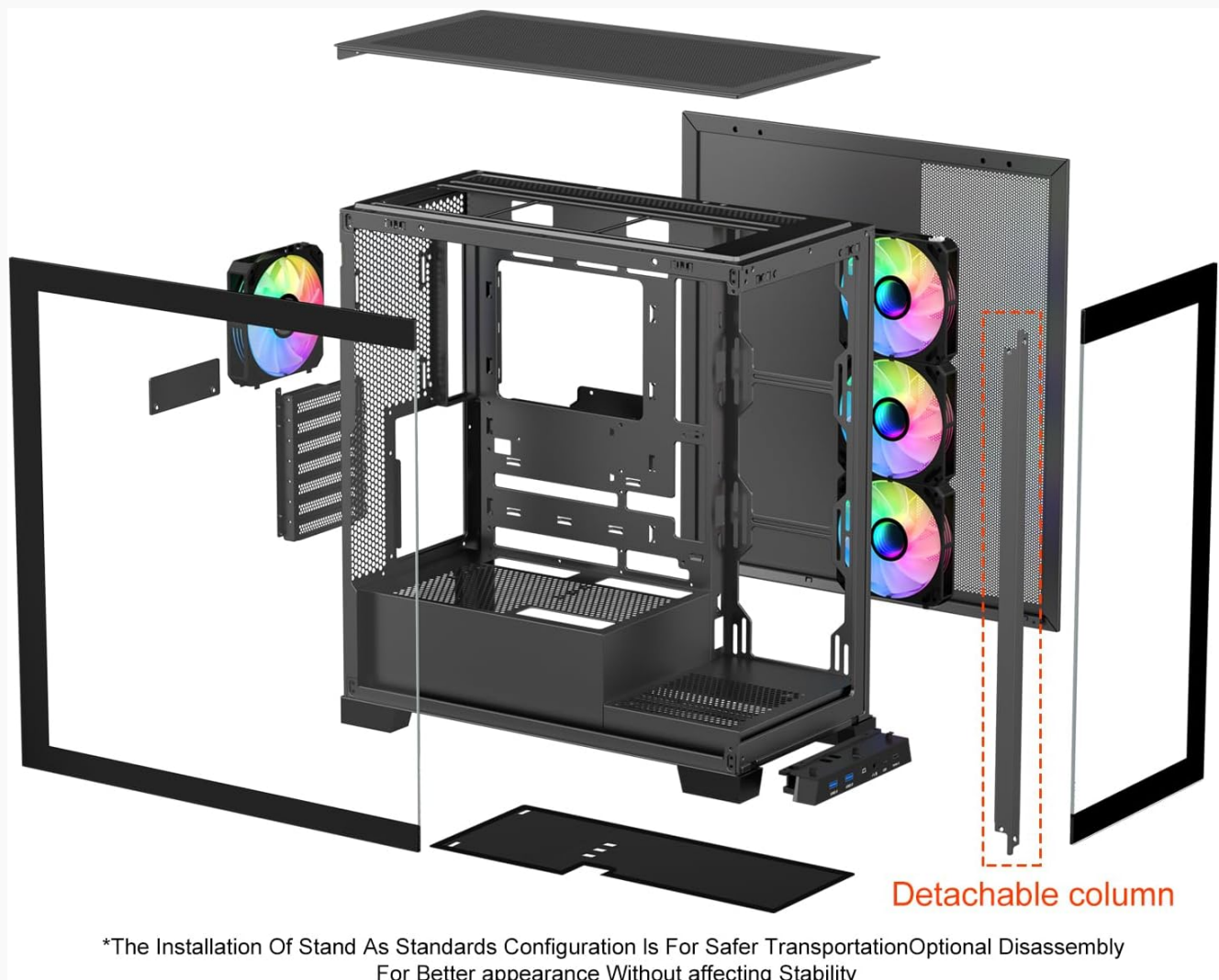


Image 3.1: Exploded view illustrating the detachable components, including tempered glass panels and the internal structure.

### 3.3 Motherboard Installation

1. Install the I/O shield (if not pre-attached to your motherboard) into the rear opening of the case.
2. Align your E-ATX, ATX, Micro-ATX, or Mini-ITX motherboard with the standoffs inside the case.
3. Secure the motherboard using the provided screws.

### 3.4 GPU Installation

The case supports GPUs up to 430mm in length. It offers both horizontal and vertical GPU mounting options.

- **Horizontal Installation:** Remove the necessary PCIe slot covers at the rear of the case. Insert the GPU into the PCIe slot on the motherboard and secure it with screws.
- **Vertical Installation:** An optional vertical GPU mount (sold separately) can be used. Follow the instructions provided with the vertical mount for installation.

## Supports Horizontal or Vertical VGA



Tool-Free Installation

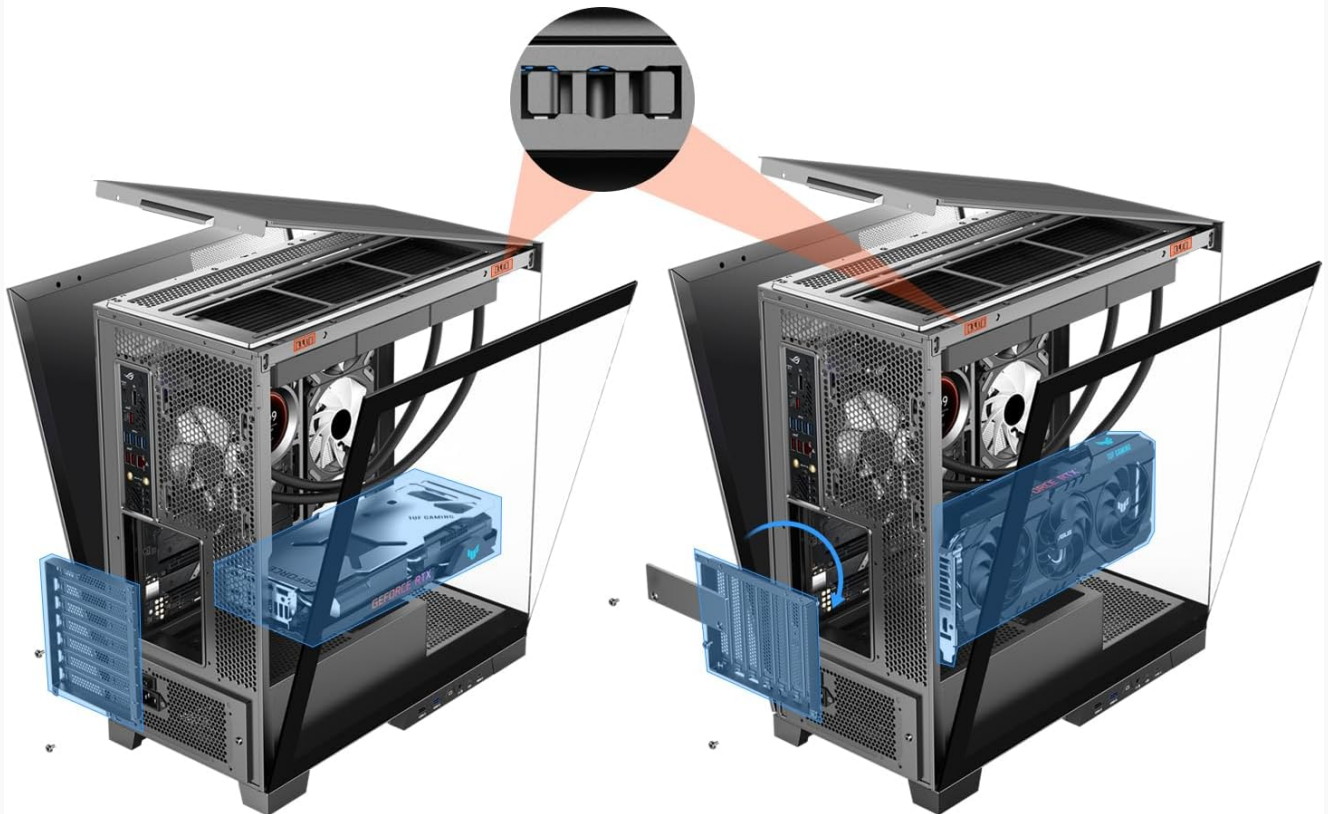


Image 3.2: Illustration of the case supporting both horizontal and vertical GPU configurations.

### 3.5 Power Supply Unit (PSU) Installation

The PSU is installed at the bottom of the case in a dedicated compartment, supporting ATX PSUs up to 238mm. Slide the PSU into its bay and secure it with screws from the rear of the case.

### 3.6 Fan and Radiator Installation

The NEVIEW 4503 comes with four 120mm ARGB fans pre-installed. Additional cooling options include:

- **Top:** Supports up to 3x 120mm or 2x 140mm fans, or a 120/240/280/360mm liquid cooler.
- **Rear:** Supports 1x 120mm or 1x 140mm fan, or a 120/140mm liquid cooler.

- **Motherboard Fan Frame:** Supports 3x 120mm or 3x 140mm fans (pre-installed).
- **Bottom:** Supports 1x 120mm or 1x 140mm fan.

## Easy Cable Management And Multi HDD support

- Support Back-Plug Motherboard Front Or Rear
- 33mm-deep Space in the back

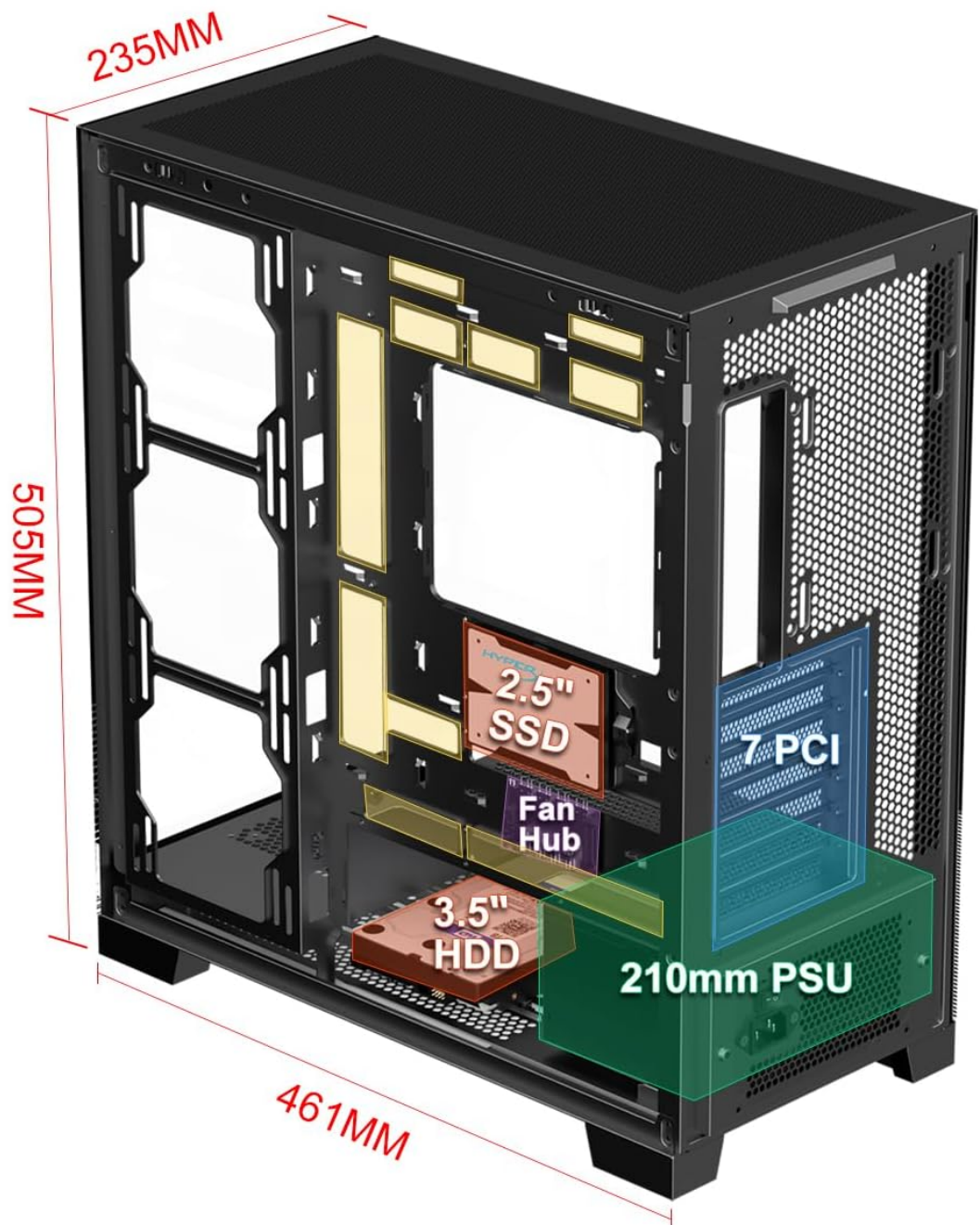


Image 3.3: Internal layout indicating maximum CPU cooler height, GPU length, and various fan/radiator mounting points.

### 3.7 Cable Management

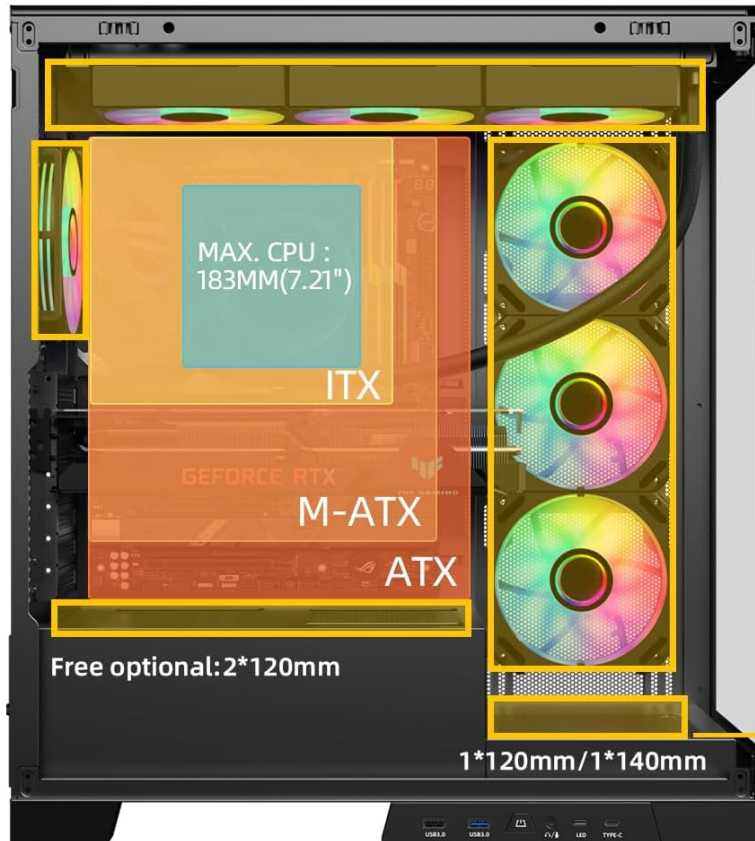
Utilize the 33mm deep space behind the motherboard tray for routing and organizing cables. This helps maintain optimal airflow and a clean interior aesthetic.



Top: 3\*120mm/2\*140mm (fan optional)  
Support 120/240/280/360 liquid coolers



Rear:  
1\*120mm  
(Pre-installed)  
/1\*140mm  
  
Support  
120/140mm liquid  
cooler



M/B:  
3\*120mm  
(Pre-installed)  
or 3\*140mm

Support  
120/240/280/360/  
liquid cooler  
(the thickness of  
thecooler shall not  
exceed 52mm)



Support to put  
DIY model

Image 3.4: Rear view of the case highlighting cable management space and drive mounting options for 2.5" SSDs and 3.5" HDDs.

### 3.8 Front I/O Panel

The front I/O panel can be adjusted to either the right bottom or front bottom position. It includes 2x USB 3.0 ports, 1x Type-C port, a 2-in-1 audio interface, and LED/Power buttons.

# Flixable I/O Port Can Be Adjusted

On right bottom or front bottom



Image 3.5: Close-up of the adjustable I/O port, detailing its components and flexible positioning.

## 4. OPERATING THE ARGB FANS

The pre-installed ARGB fans are connected to a custom hub. This hub allows for both manual control and motherboard synchronization for lighting effects.

- **Manual Control:** Use the dedicated LED button on the front I/O panel to cycle through various lighting modes and colors.
- **Motherboard Synchronization:** To synchronize the fan lighting with your motherboard's RGB software (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light Sync), press and hold the LED button on the front I/O panel for 7-8 seconds. Ensure the ARGB hub is connected to a compatible 3-pin ARGB header on your motherboard and powered via a SATA cable from your PSU.

# Powerful Cooling Compatibility

- Max. CPU length: **183mm(7.21")**
- Max. VGA Card: **430mm(16.95")**
- Supports most of the high-end air coolers



Image 4.1: Diagram illustrating the ARGB fan hub connections to the PSU and motherboard for lighting control.

**Note: The included fans do not support speed control via the ARGB hub. They operate at a fixed speed.**

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Video 4.2: SAMA 4503 chassis product display video, demonstrating the case's features and ARGB lighting effects.

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Video 4.3: 4503 Chassis multi-angle display, showcasing the chassis panel design and various angles of the case.

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Video 4.4: SAMA NEVIEW 4503 computer case video display, providing a visual overview of the product.

## 5. MAINTENANCE

### 5.1 Dust Filter Cleaning

The SAMA NEVIEW 4503 is equipped with magnetic dust filters on the top and bottom panels. Regularly clean these filters to prevent dust buildup and maintain optimal airflow.

1. Gently remove the magnetic dust filters from their respective positions.
2. Clean the filters using compressed air, a soft brush, or by rinsing with water (ensure they are completely dry before reattaching).
3. Reattach the filters to the case.

## 6. TROUBLESHOOTING

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### 6.1 Fans Not Lighting Up

- Ensure the ARGB fan hub is correctly connected to a SATA power cable from your PSU.
- Verify that the ARGB cable from the hub is connected to a compatible 3-pin ARGB header on your motherboard.
- If using manual control, press the LED button on the front I/O panel. If using motherboard synchronization, press and hold the LED button for 7-8 seconds to switch control to the motherboard software.

### 6.2 Difficulty Aligning Motherboard

- Some users have noted that the rear I/O shield port can be slightly recessed. Ensure proper alignment before attempting to secure the motherboard.

### 6.3 Short I/O Panel Cables

- If relocating the I/O panel, be aware that the cables may be short. Plan your cable routing carefully to avoid strain on the connectors.

## 7. SPECIFICATIONS

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Feature	Detail
Model Name	NEVIEW 4503
Dimensions (LxWxH)	22.83 x 12.6 x 21.26 inches (approx. 580 x 320 x 540 mm)
Form Factor	Mid Tower
Motherboard Compatibility	E-ATX, ATX, Micro-ATX, Mini-ITX
Material	Alloy Steel, Tempered Glass
Max. CPU Cooler Height	183mm (7.21")
Max. GPU Length	430mm (16.95")
Max. PSU Length	238mm
Expansion Slots	7 PCIe
Drive Bays	1x 2.5" SSD, 1x 3.5" HDD (HDD Cage on bottom plate supports 1x 3.5" HDD)
I/O Ports	2x USB 3.0, 1x Type-C, 1x 2-in-1 Audio Interface, LED Button, Power Button
Pre-installed Fans	4x 120mm ARGB Fans
Cooling Method	Fan cooling / Air cooling / Liquid cooling
Dust Protection	Magnetic dust filter (bottom, top)

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact SAMA customer service or visit the official SAMA website. Keep your proof of purchase for warranty claims.

Official SAMA Store: [SAMA Official Store on Amazon](#)