



[Manuals.plus](#) /

› [SAMA](#) /

› SAMA V40 White ATX Mid Tower PC Case Instruction Manual

SAMA V40

SAMA V40 White ATX Mid Tower PC Case

Instruction Manual

[Introduction](#)

[Product Overview](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the SAMA V40 White ATX Mid Tower PC Case. Designed for high-performance gaming and workstation builds, the SAMA V40 features a panoramic tempered glass design, efficient vertical airflow, and pre-installed ARGB PWM fans. Please read this manual carefully before installation and use to ensure proper functionality and longevity of your PC case.



Figure 1: SAMA V40 White ATX Mid Tower PC Case.

2. PRODUCT OVERVIEW

The SAMA V40 is a mid-tower ATX PC case engineered for optimal cooling and aesthetic appeal. Key features include:

- **Efficient Cooling:** Comes with 6 pre-installed 120mm ARGB PWM fans (3 bottom, 2 side, 1 rear) and supports up to 360mm water cooling on top.
- **Panoramic Tempered Glass:** Dual tempered glass panels provide a 270° view of internal components.
- **Spacious Interior:** Supports ATX, Micro-ATX, and ITX motherboards, GPUs up to 410mm, and CPU coolers up to 181mm.
- **Vertical Airflow:** Unique dual-chamber layout and vertical airflow system for enhanced cooling efficiency.
- **Modern I/O Panel:** Equipped with 1x USB 3.1 Type-C, 2x USB 3.0 ports, and HD audio.
- **Flexible Storage:** Accommodates up to 3 HDDs or 3 SSDs.
- **7 Expansion Slots:** For multi-GPU configurations and additional expansion cards.

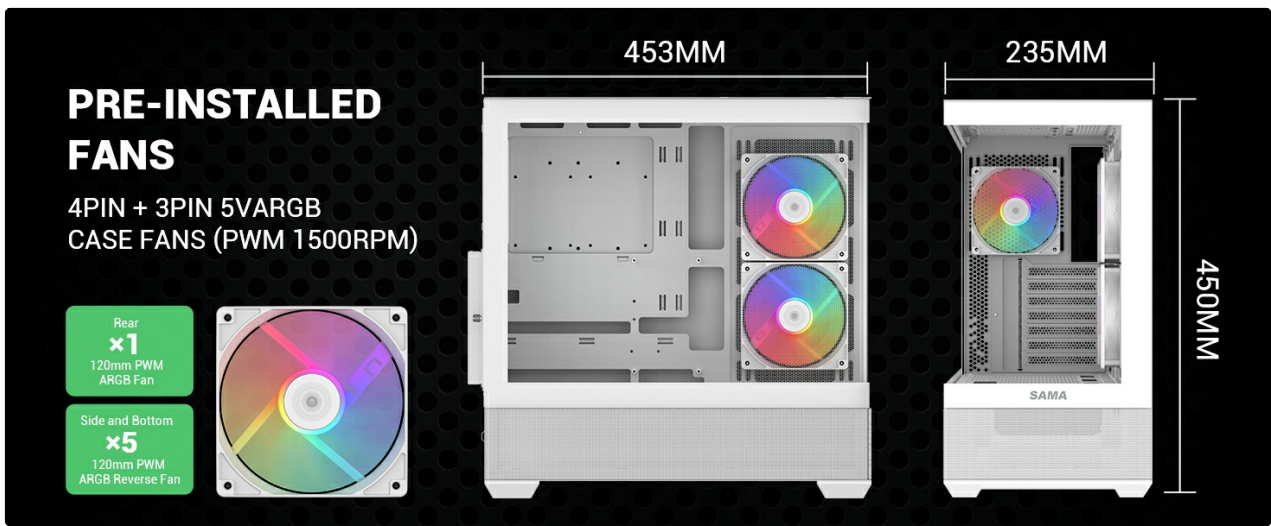


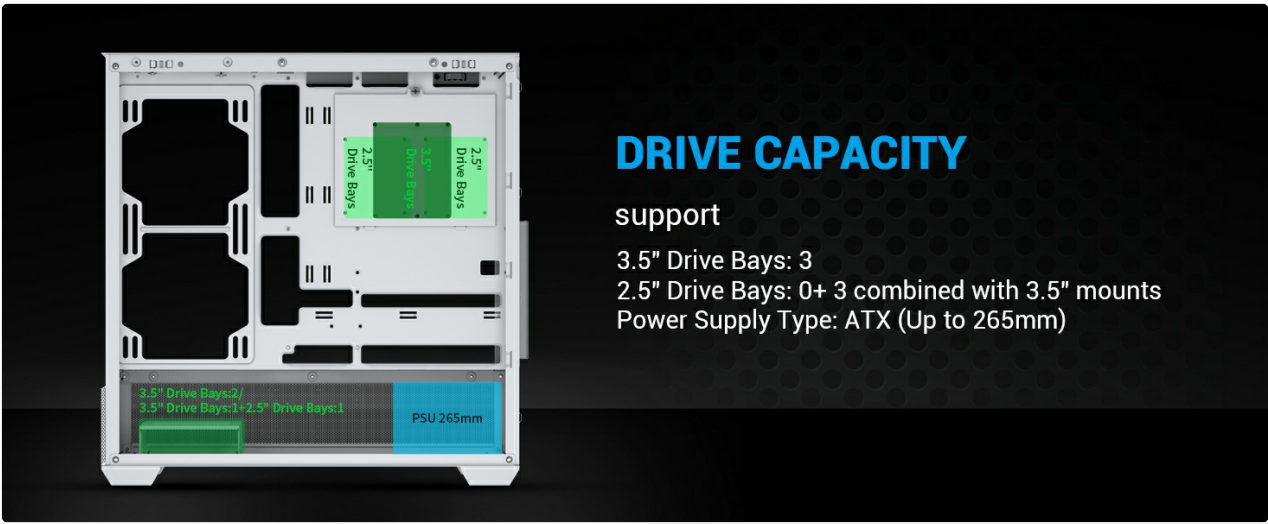
Figure 2: Diagram showing the 6 pre-installed 120mm ARGB PWM fans (1 rear, 5 side/bottom) and overall dimensions of the SAMA V40 case.



Figure 3: Illustration of the vertical airflow channel in the SAMA V40 case, demonstrating bottom-to-top air movement for efficient cooling.



Figure 4: Diagram indicating support for ITX, Micro-ATX, and ATX motherboards within the SAMA V40 case.



DRIVE CAPACITY

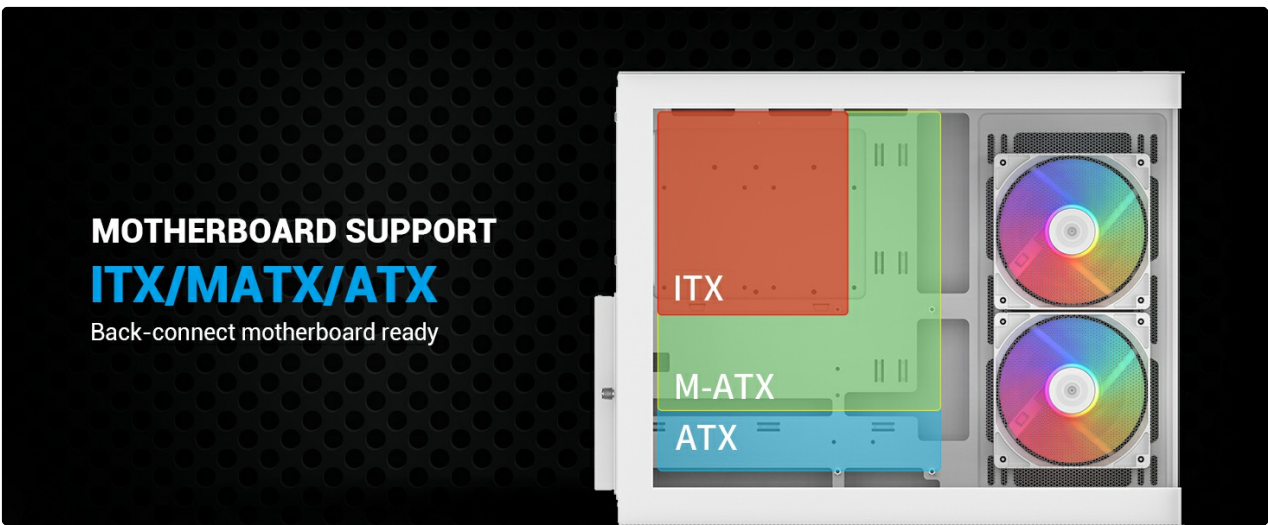
support

3.5" Drive Bays: 3

2.5" Drive Bays: 0+ 3 combined with 3.5" mounts

Power Supply Type: ATX (Up to 265mm)

Figure 5: Diagram illustrating the drive bay configurations, supporting 3x 3.5" drive bays and combined 2.5" mounts, with PSU clearance up to 265mm.

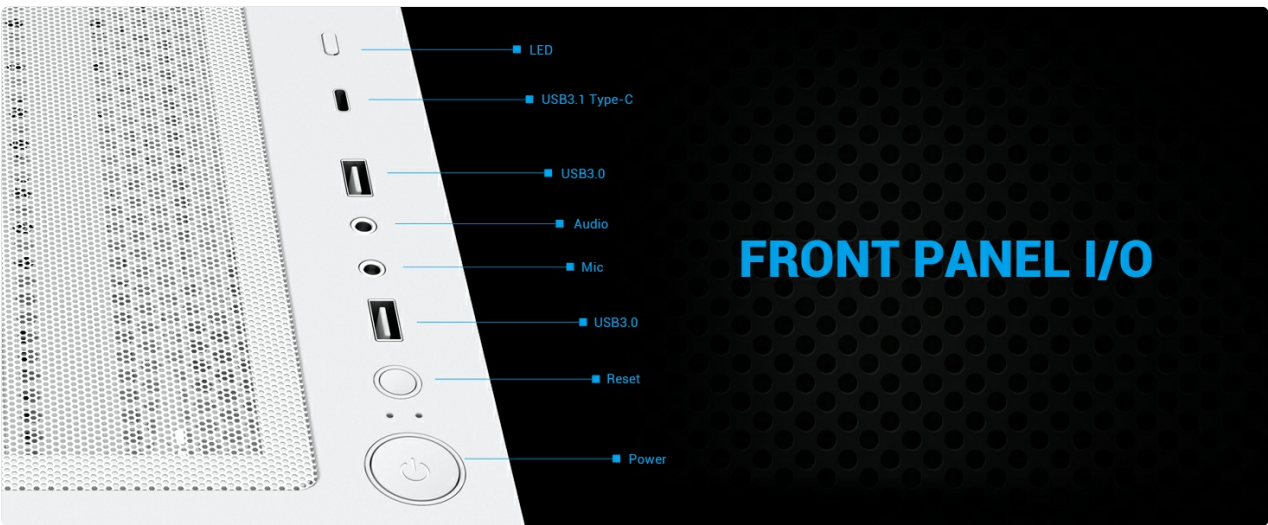


MOTHERBOARD SUPPORT

ITX/MATX/ATX

Back-connect motherboard ready

Figure 6: Close-up view of the front I/O panel, detailing the USB 3.1 Type-C, USB 3.0 ports, audio jacks, reset button, and power button.



FRONT PANEL I/O

Figure 7: Diagram highlighting the 7-slot PCIe design, providing ample space for bulky GPUs and flexible expansion.

Official Product Videos

Your browser does not support the video tag.

Video 1: SAMA V40 Case Product Video. This video provides a visual overview of the SAMA V40 case features and design.

Your browser does not support the video tag.

Video 2: SAMA V40 computer case video display. This video showcases various angles and internal views of the SAMA V40 computer case.

3. SETUP AND INSTALLATION

Follow these steps for installing your components into the SAMA V40 case:

1. **Prepare the Case:** Carefully remove the tempered glass side panels. The panels are designed for easy removal with a firm pull.
2. **Motherboard Installation:** Install your ATX, Micro-ATX, or ITX motherboard. Ensure standoffs are correctly aligned. It is recommended to connect 8-pin CPU power, CPU fan, and AIO pump cables before installing an AIO cooler.
3. **Power Supply Unit (PSU) Installation:** Install the PSU in the dedicated compartment. Connect all necessary modular cables to the PSU before securing it, as access may be limited afterward.
4. **Storage Drive Installation:** Utilize the available bays for 3.5-inch HDDs and 2.5-inch SSDs. The case supports up to 3 HDDs or 3 SSDs.
5. **Graphics Card (GPU) Installation:** Install your GPU into the PCIe slot. The case supports GPUs up to 410mm in length.
6. **CPU Cooler Installation:** Install your CPU cooler. The case accommodates CPU coolers up to 181mm in height.
7. **Cable Management:** Utilize the optimized cable routing channels and tie-downs behind the steel cover for a clean build and improved airflow.
8. **Fan Connections:** The 6 pre-installed ARGB PWM fans are connected to a fan hub. Connect the fan hub to your motherboard's fan and ARGB headers for control, or use the integrated LED switch button on the front I/O.
9. **Front I/O Connections:** Connect the front panel cables (USB 3.1 Type-C, USB 3.0, HD Audio, Power, Reset) to the corresponding headers on your motherboard.
10. **Close the Case:** Reattach the tempered glass side panels securely.



Figure 8: Diagram illustrating the optimized cable routing channels for easier cable management.

4. OPERATING INSTRUCTIONS

Once your system is fully assembled and connected, you can begin operation:

- **Power On:** Press the power button on the front I/O panel to start your system.

- **Fan Control:** The pre-installed PWM fans can be controlled via your motherboard's BIOS/UEFI settings or through compatible motherboard software (e.g., Gigabyte Control Center for Gigabyte motherboards).
- **ARGB Lighting Control:** The ARGB lighting of the fans can be synchronized with your motherboard's ARGB software. Alternatively, use the dedicated LED switch button on the front I/O panel to cycle through various lighting effects if not connected to a motherboard ARGB header.
- **USB Ports:** Use the USB 3.1 Type-C and USB 3.0 ports on the front panel for high-speed data transfer and connecting peripherals.
- **Audio Jacks:** Connect your headphones and microphone to the HD audio jacks for convenient access.

5. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your SAMA V40 PC case:

- **Dust Filter Cleaning:** The case features magnetic dust filters. Regularly remove and clean these filters to prevent dust buildup and maintain efficient airflow.
- **Exterior Cleaning:** Wipe the exterior surfaces, including the tempered glass panels, with a soft, damp cloth. Avoid abrasive cleaners that could scratch the surfaces.
- **Interior Cleaning:** Periodically open the case and use compressed air to remove dust from internal components and fans. Ensure the system is powered off and unplugged before cleaning.
- **Fan Inspection:** Check fans for any obstructions or unusual noises. Ensure all fan cables are securely connected.

6. TROUBLESHOOTING

If you encounter issues with your SAMA V40 PC case, consider the following:

- **System Not Powering On:**
 - Ensure the PSU is properly connected and switched on.
 - Verify all front panel connectors (especially the power switch) are correctly attached to the motherboard.
 - Check that the 24-pin ATX and 8-pin CPU power cables are securely connected to the motherboard.
- **Fans Not Spinning or Lighting Up:**
 - Confirm the fan hub is receiving power (SATA power cable connected).
 - Check that the fan hub is connected to the motherboard's fan and ARGB headers.
 - If using motherboard software, ensure it is installed and configured correctly.
 - Try using the LED switch button on the front I/O to test ARGB functionality independently.
- **Poor Airflow/High Temperatures:**
 - Ensure all fans are spinning in the correct direction (intake/exhaust as intended for vertical airflow).
 - Clean dust filters and internal components.
 - Verify no cables are obstructing airflow paths.
- **USB Ports Not Functioning:**
 - Check that the USB 3.0 and USB 3.1 Type-C headers from the front panel are correctly connected to the motherboard.

7. SPECIFICATIONS

Detailed specifications for the SAMA V40 White ATX Mid Tower PC Case:

Feature	Detail
Brand	SAMA
Model Name	V40
Case Type	Mid Tower
Color	White
Material	Tempered Glass
Motherboard Compatibility	ATX, Micro ATX, Mini ITX
GPU Length Support	Up to 410mm
CPU Cooler Height Support	Up to 181mm
Expansion Slots	7
Pre-installed Fans	6x 120mm ARGB PWM Fans
Fan Support	Up to 9x 120mm fans or 5x 140mm fans
Radiator Support	Up to 360mm (top and bottom)
Drive Bays	3x 3.5" HDD, 3x 2.5" SSD
Front I/O Ports	1x USB 3.1 Type-C, 2x USB 3.0, HD Audio (Mic/Headphone), Power, Reset
Dimensions (D x W x H)	453mm x 235mm x 450mm (17.83"D x 9.25"W x 17.72"H)

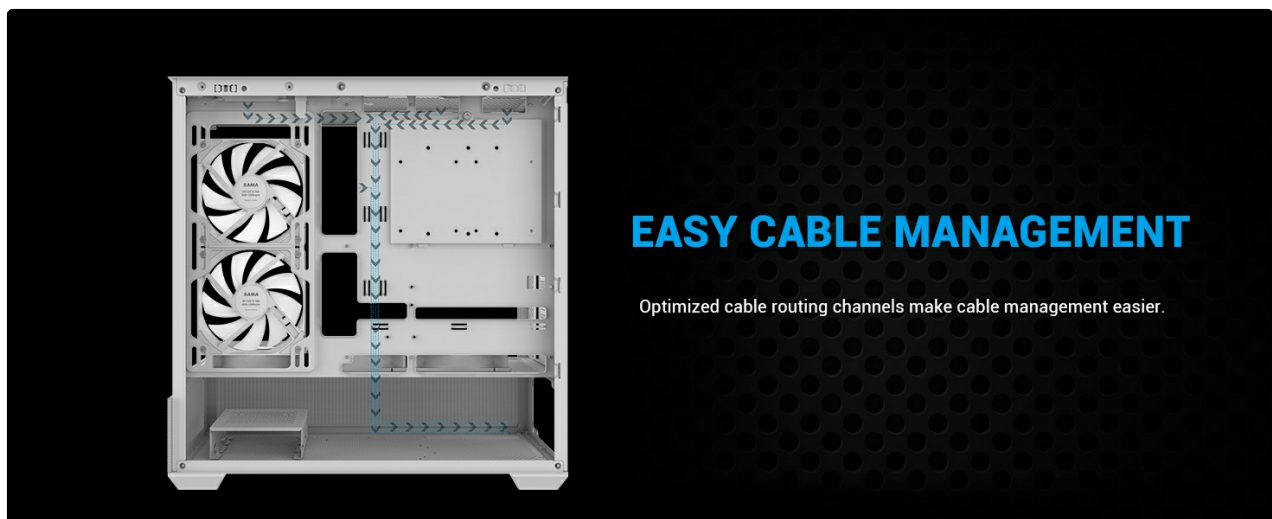


Figure 9: Visual summary of SAMA V40 White specifications including dimensions, component clearances, and fan/radiator support.

8. WARRANTY AND SUPPORT

SAMA is committed to providing high-quality products. For warranty information, technical support, or any

inquiries regarding your SAMA V40 PC case, please refer to the official SAMA website or contact the SAMA Official Store where the product was purchased.

The standard return policy allows for returns or replacements within 30 days of purchase. Please retain your proof of purchase for any warranty claims.

Manufacturer: SAMA

Seller: SAMA Official Store