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› ANSAITE C9 ATX Mid Tower PC Case Instruction Manual

ANSAITE C9

ANSAITE C9 ATX Mid Tower PC Case Instruction Manual

Model: C9

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ANSAITE C9 ATX Mid Tower PC Case. The C9 case is designed for high-performance computing, featuring a panoramic tempered glass side panel, pre-installed ARGB fans, and optimized airflow for efficient cooling. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe operation.

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before installing or removing any components.
- Handle tempered glass panels with care to prevent breakage. Avoid impacts to the edges.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive components.
- Keep small parts and screws away from children.
- Ensure proper ventilation around the PC case to prevent overheating.
- Do not attempt to modify the case or its components, as this may void the warranty and pose safety risks.

3. PACKAGE CONTENTS

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

- ANSAITE C9 ATX Mid Tower PC Case
- 7 x Pre-installed PWM ARGB Fans
- Accessory Box (screws, cable ties, user manual)

4. SETUP AND INSTALLATION

4.1 Case Dimensions

The ANSAITE C9 case has the following dimensions:

Length: 17.52 inches (445mm)

Width: 8.66 inches (220mm)

Height: 19.29 inches (490mm)



Figure 4.1: Detailed dimensions of the ANSAITE C9 PC Case.

4.2 Tempered Glass Panel Removal

To access the interior of the case, the tempered glass panels need to be removed. The side panel is secured by thumbscrews at the rear. The front glass panel requires removing screws on the side of the rear compartment before pushing to open.



Figure 4.2: Instructions for removing tempered glass panels for component installation.

4.3 Motherboard and Component Installation

The C9 case supports ATX motherboards. Ensure all standoffs are correctly aligned before mounting the motherboard. The case accommodates graphics cards up to 440mm (17.32 inches) and CPU coolers up to 180mm in height.

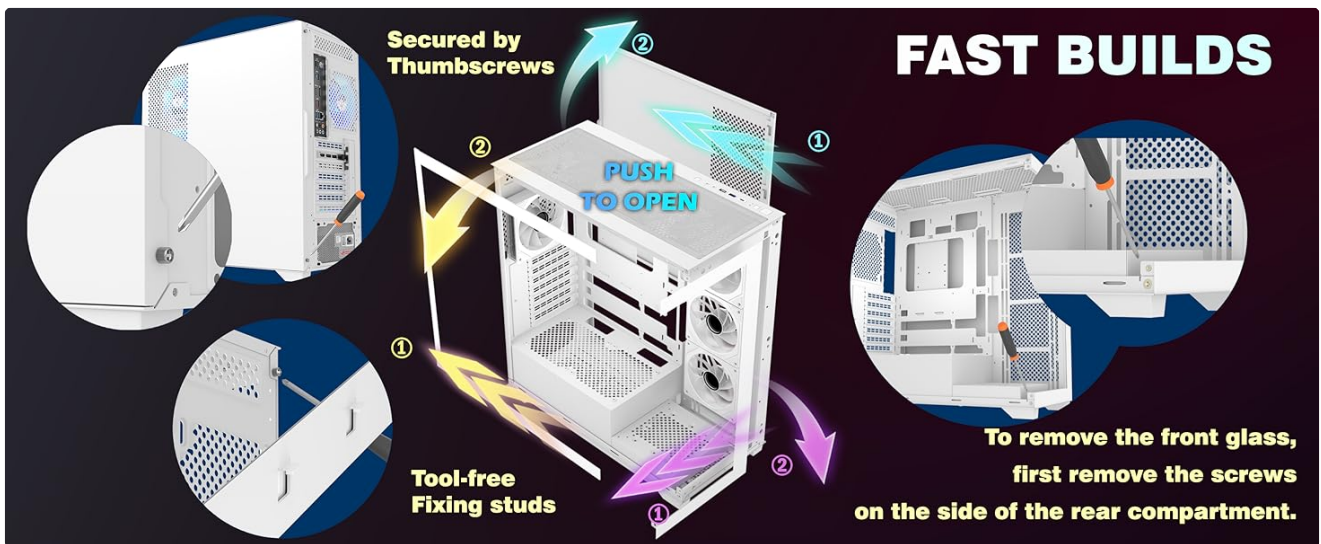




Figure 4.3: Internal layout with maximum component dimensions for the C9 case.


The case is equipped with brackets for 2x SSDs and 1x HDD. Install your storage devices into the designated bays and secure them with the provided screws.

4.4 Cooling System Overview

The C9 case comes with 7 high-performance PWM ARGB fans pre-installed. These fans are configured for optimal airflow, with three reverse fans on the side for intake, three exhaust fans on the top, and one exhaust fan at the rear. The case supports up to 9x 120mm fans or a combination of 120mm and 140mm fans, and radiators up to 360mm on top and side.

Powerful Cooling Capacity Support

	Fan 	Cooler 
Rear	120mm x 1	120mm
Top	120mm x 3 / 140mm x 3	360mm/280mm/240mm/120mm
Bottom	120mm x 2	120mm
Side	120mm x 3 / 140mm x 3	360mm/280mm/240mm/120mm



The image shows the internal view of the case with 7 pre-installed fans. A vertical radiator is labeled "RAD 360MM (MAX)".

Figure 4.4: Configuration of the 7 pre-installed fans and their daisy-chain connections.

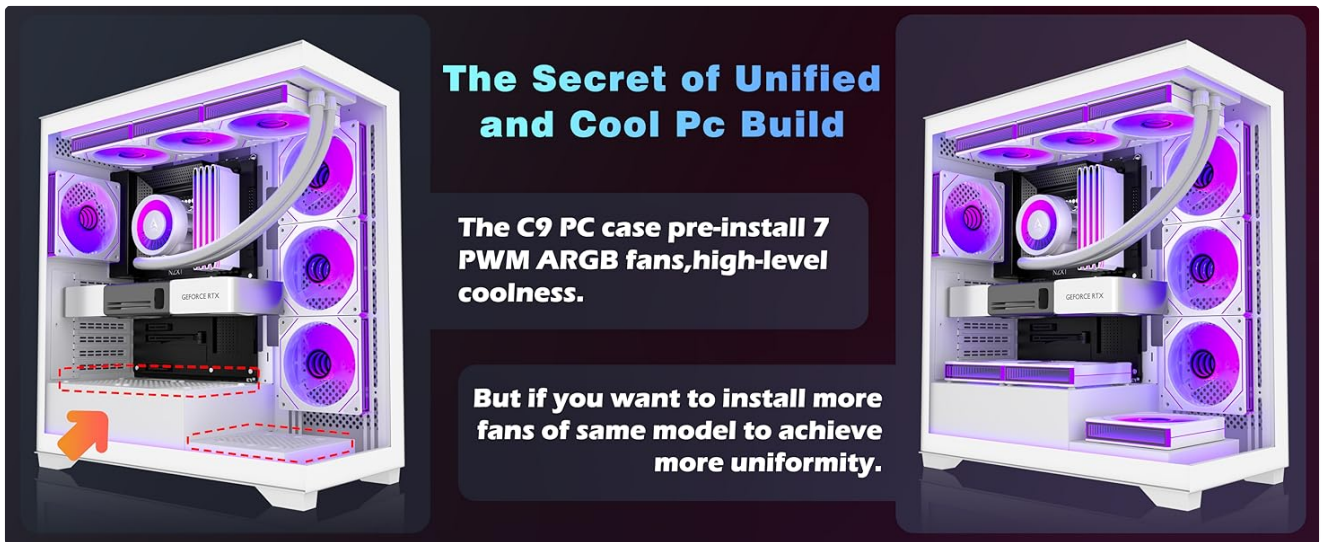


Figure 4.5: Fan and radiator compatibility chart for various mounting locations.

The dual-channel airflow design ensures efficient cooling for both CPU (horizontal flow) and GPU (vertical flow), with magnetic dust filters on the top and bottom to minimize dust accumulation.



Figure 4.6: Visualization of the dual airflow system for CPU and GPU cooling.

4.5 Cable Management

The C9 case features ample space and reserved holes for effective cable management, promoting a clean interior and optimized airflow. The back-connect design further aids in keeping the front panel tidy.

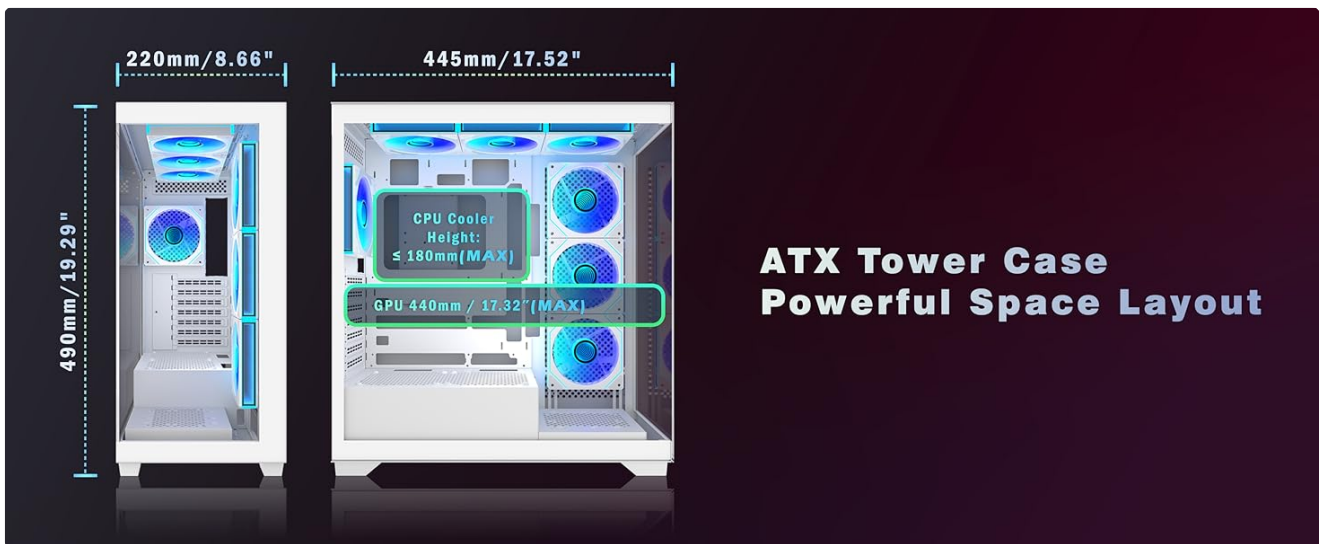


Figure 4.7: Cable routing paths for a clean build.



Figure 4.8: Comparison of cable management for standard and back-connect motherboards.

4.6 Front Panel I/O Connections

The front I/O panel provides convenient access to essential ports and controls:

- **LED Button:** Controls ARGB lighting effects.
- **2x 3.5mm Audio Jacks:** For headphones and microphone.
- **1x High-Speed USB 2.0 Port:** For general USB devices.
- **1x USB 3.2 Gen 1 Type-A Port:** For faster data transfer.
- **1x USB 3.2 Gen 2 Type-C Port:** For high-speed connectivity with modern devices.
- **Reset Button:** Restarts the system.
- **Power Button:** Turns the system on/off.

Dual Airflow System for Ultimate Cooling



Figure 4.9: Front panel I/O layout and functions.

5. OPERATING INSTRUCTIONS

5.1 Powering On Your PC

After all components are securely installed and cables connected, plug your power supply into a wall outlet and flip the power switch on the PSU to the 'ON' position. Press the Power Button on the front I/O panel to start your computer.

5.2 ARGB Fan Control

The pre-installed ARGB fans can be controlled via the LED button on the front I/O panel to cycle through various lighting effects. For advanced customization and synchronization with other ARGB components, connect the fan's ARGB cables to a compatible motherboard header (5V 3-Pin ARGB) and use your motherboard's lighting control software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync).

Supports ARGB sync

DIY your favorite color



★★★★★

RECOMMENDED VALUE

TIME LIFE 50,000h BEARINGS HDB NOISE 30dBA

	Other ★★★★★ Oil sealed bearing No closed loop oil supply circuit 1200 RPM & 36 dBA 10,000 hour
	Other ★★★★★ Regular HDB No closed loop oil supply circuit 1500 RPM & 36 dBA 20,000 hour



Figure 5.1: The C9 PC Case showcasing its ARGB lighting capabilities.

Dual Airflow System for Ultimate Cooling

Airflow for CPU



Vertical flow for GPU





Figure 5.2: The C9 ARGB Mid-Tower PC Case integrated into a gaming setup.

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Video 5.1: Demonstration of the ARGB lighting effects and overall aesthetic of the ANSAITE C9 PC Case.

6. MAINTENANCE

6.1 Dust Filter Cleaning

The C9 case is equipped with magnetic dust filters on the top and bottom. Regularly check and clean these filters to maintain optimal airflow and prevent dust buildup inside the case. Gently remove the filters, clean them with a soft brush or rinse with water (ensure they are completely dry before reattaching), and then re-install.

6.2 General Cleaning

For external cleaning, use a soft, damp cloth to wipe down the surfaces. Avoid abrasive cleaners or solvents that could damage the finish or tempered glass. For internal cleaning, use compressed air to remove dust from components and fans. Ensure the system is powered off and unplugged before any internal cleaning.

7. TROUBLESHOOTING

- **No Power:**

- Ensure the power supply is properly connected to the wall outlet and the PSU switch is ON.
 - Verify all power cables (24-pin ATX, 8-pin CPU, PCIe for GPU) are securely connected to the motherboard and components.
 - Check that the front panel power button cable is correctly connected to the motherboard's front panel header.
- **Fans Not Spinning/ARGB Not Working:**
 - Confirm fan power cables (PWM) are connected to the motherboard or fan controller.
 - Ensure ARGB cables (5V 3-Pin) are connected to a compatible motherboard header or ARGB controller.
 - If using motherboard software, verify it is installed and configured correctly.
- **No Display Output:**
 - Check that your monitor is connected to the graphics card (GPU) and not the motherboard's integrated graphics ports (unless you are using integrated graphics).
 - Reseat the graphics card in its PCIe slot.
 - Ensure all power cables to the graphics card are securely connected.
- For issues related to specific internal components (CPU, RAM, GPU, Motherboard), refer to their respective instruction manuals.

8. SPECIFICATIONS

Feature	Detail
Brand	ANSAITE
Model Name	C9
Case Type	Mid Tower
Motherboard Compatibility	ATX
Material	Alloy Steel, Tempered Glass
Color	White
Product Dimensions (LxWxH)	17.52 x 8.66 x 19.29 inches (445 x 220 x 490 mm)
Item Weight	18.22 pounds
Pre-installed Fans	7 x PWM ARGB Fans
Max GPU Length	440mm (17.32 inches)
Max CPU Cooler Height	180mm
Radiator Support	Up to 360mm (Top, Side)
Storage Bays	2x SSD, 1x HDD
Front I/O Ports	1x USB 3.2 Gen 2 Type-C, 1x USB 3.2 Gen 1 Type-A, 1x USB 2.0, 2x 3.5mm Audio, LED Button, Reset Button, Power Button

9. WARRANTY AND SUPPORT

ANSAITE provides customer support for its products. For any issues or inquiries regarding your C9 PC case, please contact the seller directly through the platform where you made your purchase. Refer to your purchase documentation for specific warranty terms and conditions. The manufacturer is ANSAITE.