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› CORSAIR 7000D Airflow Full-Tower ATX PC Case User Manual

## Corsair CC-9011218-WW

# CORSAIR 7000D Airflow Full-Tower ATX PC Case User Manual

Model: CC-9011218-WW

## 1. INTRODUCTION AND OVERVIEW

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The CORSAIR 7000D AIRFLOW is a high-performance full-tower ATX PC case designed for ambitious system builds. It features an airflow-optimized steel front panel to ensure maximum air intake and includes three 140mm AirGuide fans for efficient cooling. The case incorporates the CORSAIR RapidRoute cable management system for clean cable organization and offers a spacious interior capable of accommodating extensive cooling solutions, including multiple large radiators.





Figure 1.1: The CORSAIR 7000D Airflow Full-Tower ATX PC Case, showcasing its sleek black design and perforated front panel for optimal airflow.

## 2. KEY FEATURES

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- **Full-Tower Design:** Built for ambitious PC configurations, offering ample space for components and cooling.
- **Optimized Airflow:** Features a high-airflow steel front panel for superior ventilation and cooling performance.
- **Advanced Cable Management:** Equipped with the CORSAIR RapidRoute system, allowing for easy and clean routing of major cables through a hidden channel, with 30mm of space behind the motherboard.
- **Included AirGuide Fans:** Comes with three CORSAIR 140mm AirGuide fans and a PWM fan repeater, designed with anti-vortex vanes to concentrate airflow.
- **Extensive Cooling Support:** Accommodates up to 12x 120mm or 7x 140mm cooling fans, and supports multiple radiators, including up to three simultaneous 360mm or two simultaneous 420mm radiators.
- **Easy Access Panels:** Features two easy-access hinged side panels for convenient installation and maintenance.

- **Versatile Storage Options:** Supports up to six 2.5-inch/3.5-inch combo drive trays and four 2.5-inch SSD mounts.
- **Vertical GPU Mount:** Includes a three-slot vertical GPU mount for showcasing your graphics card.
- **Modern Front I/O:** Provides easy access to connections including 4x USB 3.0 ports, 1x USB 3.1 Type-C port, and a combination headphone/microphone jack.

# CORSAIR 7000D AIRFLOW

An airflow-optimized full-tower ATX case with room for multiple 360mm or 420mm radiators.



Figure 2.1: The CORSAIR 7000D Airflow case highlighting its spacious interior and potential for multiple 360mm or 420mm radiators.



# HIGH-AIRFLOW FRONT PANEL

An airflow-optimized steel front panel provides extra ventilation to your system for maximum cooling.



\*RGB fans not included.

## 3x 140MM FANS INCLUDED

CORSAIR AirGuide fans utilize anti-vortex vanes to enhance cooling.

Figure 2.2: Detail of the high-airflow front panel and the three included 140mm AirGuide fans, designed for enhanced cooling.

## 3. SETUP AND INSTALLATION

### 3.1. Unpacking and Initial Inspection

Carefully remove the CORSAIR 7000D AIRFLOW case from its packaging. Inspect the case for any signs of damage that may have occurred during shipping. Retain all packaging materials for future transport or storage.

### 3.2. Component Compatibility and Dimensions

The 7000D AIRFLOW supports various motherboard form factors and component sizes. Ensure your components fit within the specified dimensions:

- **Motherboard Compatibility:** Mini-ITX, Micro-ATX, ATX (Full ATX support).
- **Max CPU Cooler Height:** 190mm
- **Max GPU Length:** 450mm

- **Case Dimensions (L x W x H):** 550mm x 248mm x 600mm

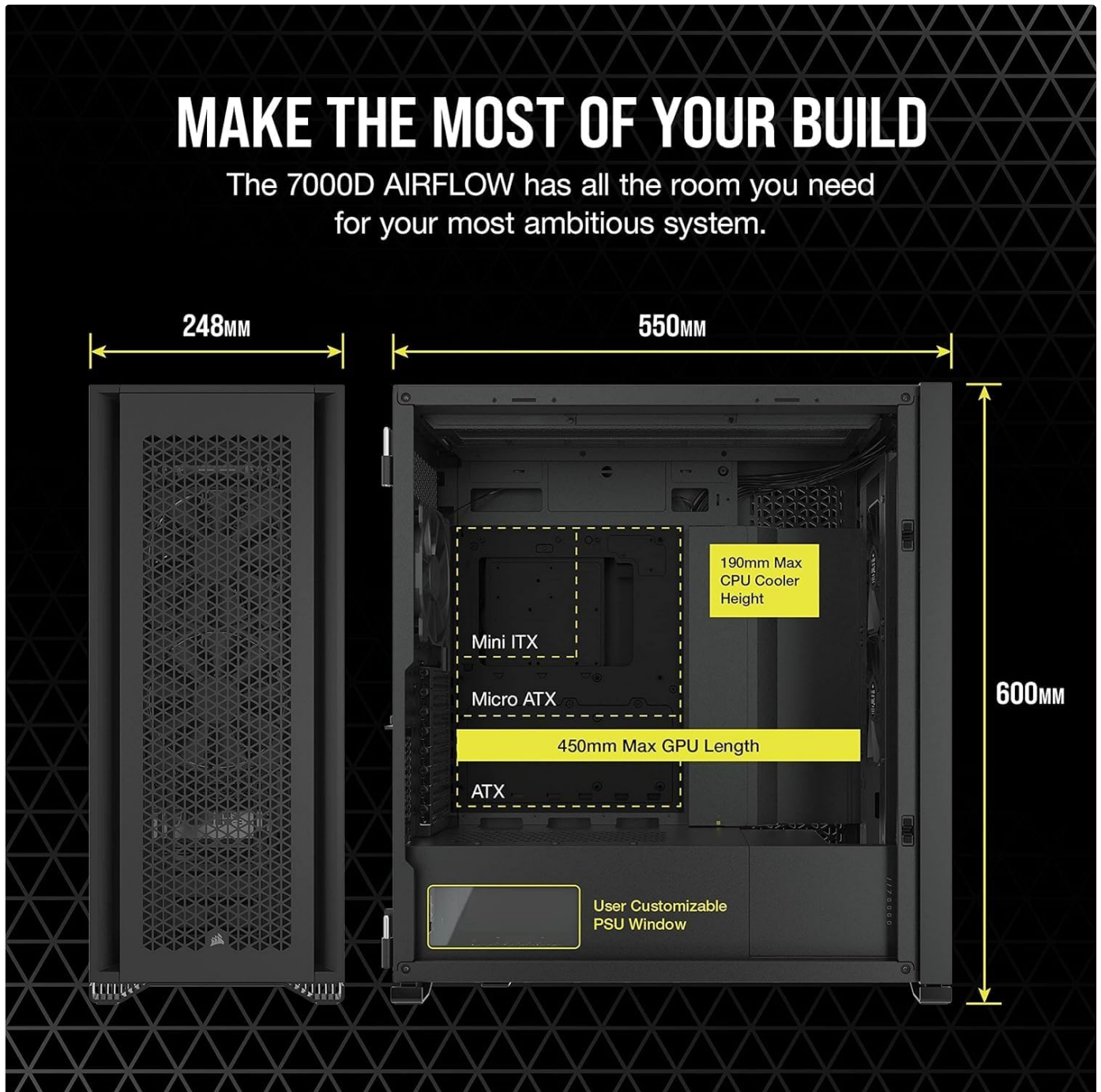


Figure 3.1: Detailed dimensions of the CORSAIR 7000D Airflow case and maximum supported component sizes for CPU coolers, GPUs, and motherboard form factors.

### 3.3. Fan and Radiator Installation

The case offers extensive fan and radiator mounting options:

- **Fan Capacity:** Up to 12x 120mm fans or 7x 140mm fans.
- **Radiator Capacity:** Supports up to three simultaneous 360mm radiators or two simultaneous 420mm radiators. Customizable side fan mounts allow for up to 4x 120mm fans or a radiator up to 480mm.

The included PWM fan repeater controls up to six fans, allowing for centralized fan speed management via a single 4-pin PWM header on your motherboard.

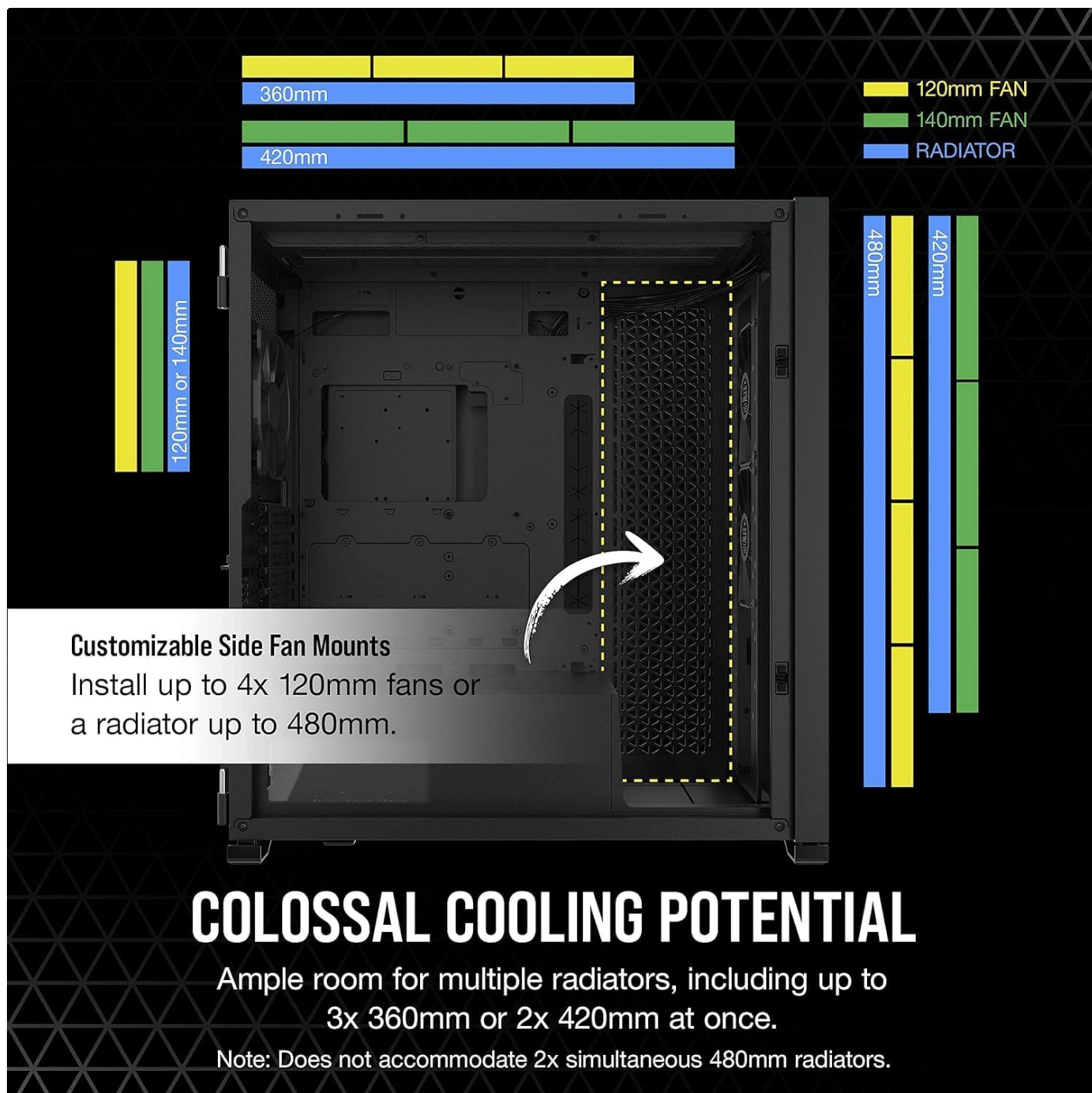


Figure 3.2: Diagram illustrating the colossal cooling potential of the CORSAIR 7000D Airflow, showing various fan and radiator configurations.

### 3.4. Cable Management (RapidRoute System)

The CORSAIR RapidRoute cable management system simplifies cable routing. Major cables can be routed through a single hidden channel, with approximately 30mm of space behind the motherboard tray. Two easy-access hinged doors provide convenient access to the rear of the case for cable organization.



# SIMPLE AND EASY CABLE ROUTING

CORSAIR RapidRoute cable management system routes major cables through a single hidden channel.



Figure 3.3: View of the CORSAIR RapidRoute cable management system, showing the hidden channel and hinged doors for easy cable routing.

## 3.5. Drive Installation

The case supports up to ten drives:

- 6x combo 2.5-inch / 3.5-inch drive trays
- 4x 2.5-inch SSD mounts

Install your storage devices into the designated trays and mounts, securing them with the provided screws.



Figure 3.4: Internal view showing the drive bay locations and the three-slot vertical GPU mount.

### 3.6. Front Panel I/O Connections

The front panel provides convenient access to various ports:

- Power button
- 4x USB 3.0 ports
- 1x USB 3.1 Type-C port
- 1x 3.5mm Combination Headphone/Microphone jack
- Reset button

Connect the corresponding cables from your motherboard to these front panel connectors.



# FRONT PANEL I/O

Puts a host of modern connections within easy reach.

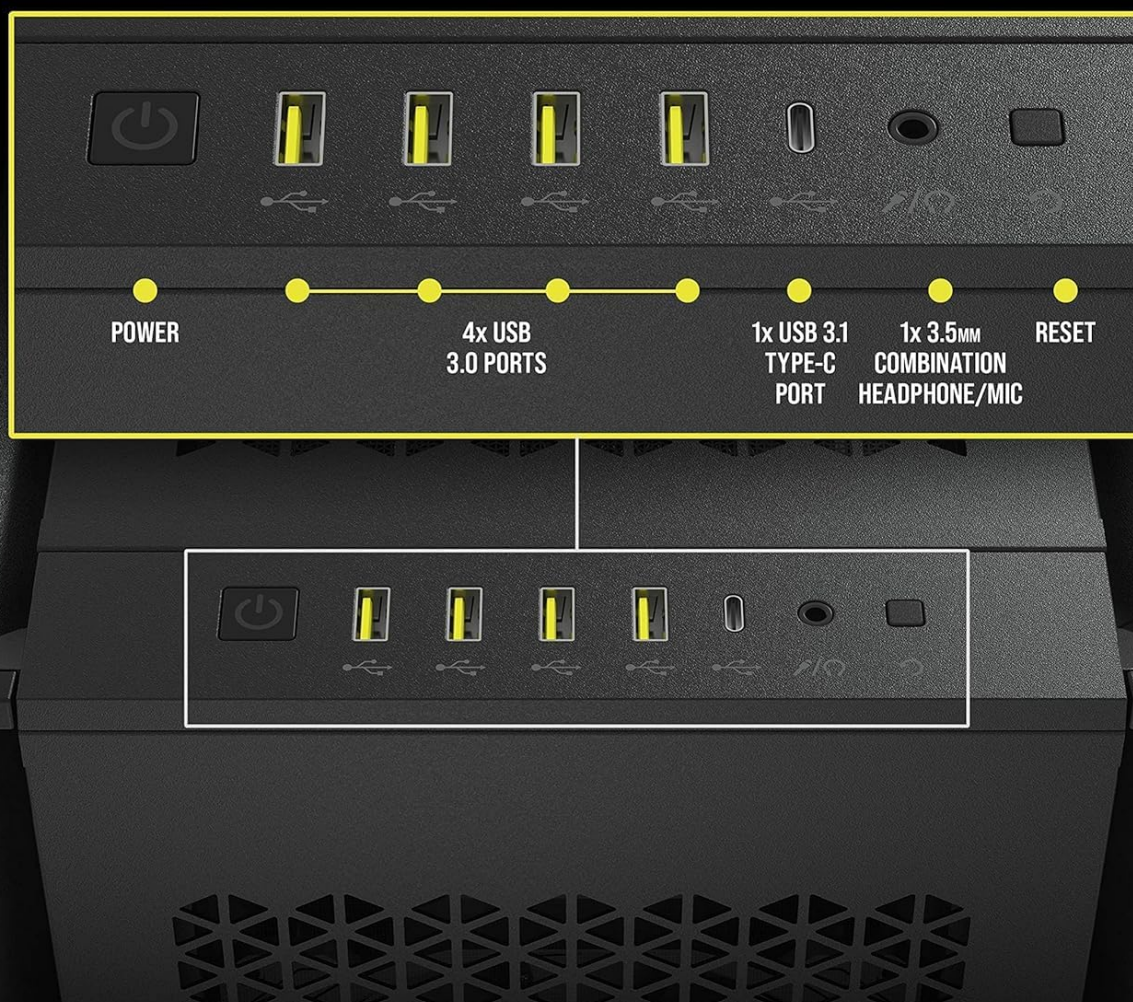


Figure 3.5: Close-up of the CORSAIR 7000D Airflow's front panel I/O, detailing the available ports and buttons.

## 4. OPERATING INSTRUCTIONS

Once all components are installed and connected, ensure all cables are properly routed and secured. Close the side panels. Connect your peripherals and power cable to the power supply unit. Press the power button on the front panel to start your system.

The airflow-optimized design of the 7000D AIRFLOW, combined with the included AirGuide fans, ensures efficient cooling during operation. Monitor your system's temperatures to ensure optimal performance.

## 5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your PC case and components.

- **Dust Filters:** The CORSAIR 7000D AIRFLOW is equipped with removable dust filters on the front, top, and bottom. Regularly clean these filters by removing them and gently brushing or washing off accumulated dust. Ensure they

are completely dry before re-installing.

- **Interior Cleaning:** Periodically open the side panels and use compressed air to remove dust from internal components, especially fan blades and heatsinks. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter.

### 6.1. System Not Powering On

- Ensure the power supply unit (PSU) is switched on and properly connected to the wall outlet.
- Verify that the 24-pin ATX power cable and the CPU power cable are securely connected to the motherboard.
- Check that the front panel power switch cable is correctly connected to the motherboard's front panel header. Refer to your motherboard manual for the correct pinout.

### 6.2. Excessive Fan Noise

- Confirm that all fans are securely mounted and not vibrating against the case.
- Check fan speeds in your motherboard's BIOS/UEFI settings or through fan control software. Adjust fan curves to reduce noise if temperatures allow.
- Ensure the PWM fan repeater is correctly powered via a SATA power cable and connected to a motherboard PWM header. Verify the motherboard header setting is set to PWM, not DC, if applicable.
- Clean any dust buildup on fan blades and dust filters.

### 6.3. USB Ports Not Functioning

- Verify that the USB 3.0 and USB 3.1 Type-C front panel cables are correctly connected to the corresponding headers on your motherboard.
- Check your motherboard's manual for the correct header locations and ensure the cables are not loose or damaged.

## 7. SPECIFICATIONS

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| Feature                        | Detail                         |
|--------------------------------|--------------------------------|
| Brand                          | Corsair                        |
| Series                         | CORSAIR 7000D AIRFLOW          |
| Model Number                   | CC-9011218-WW                  |
| Case Type                      | Full Tower                     |
| Color                          | Black                          |
| Material                       | Alloy Steel                    |
| Product Dimensions (L x W x H) | 55 x 24.8 x 60 cm              |
| Item Weight                    | 18.7 kg                        |
| Motherboard Compatibility      | ATX (also Mini-ITX, Micro-ATX) |

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Max CPU Cooler Height      | 190mm                                                    |
| Max GPU Length             | 450mm                                                    |
| Cooling Method             | Air                                                      |
| Included Fans              | 3x 140mm AirGuide Fans                                   |
| Front I/O Ports            | 4x USB 3.0, 1x USB 3.1 Type-C, 1x 3.5mm Audio Combo Jack |
| Drive Bays                 | 6x 2.5"/3.5" Combo, 4x 2.5" SSD                          |
| Power Supply Mounting Type | Bottom Mount                                             |

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Corsair website or contact Corsair customer service directly. Keep your proof of purchase for warranty claims.

**Online Support:** [www.corsair.com/support](http://www.corsair.com/support)