

## PCCOOLER C3T500

# PCCOOLER C3T500 ARGB Mid Tower PC Case Instruction Manual

Model: C3T500

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PCCOOLER C3T500 ARGB Mid Tower PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance.

## SAFETY INFORMATION

- Always handle tempered glass panels with care to prevent breakage.
- Ensure all power is disconnected from components before installation or maintenance.
- Keep small parts and screws away from children.
- Refer to your motherboard and component manuals for specific installation requirements.
- Do not connect additional fans to the included fan hub beyond the 6 original fans, as this may cause damage. Ensure total 5V ARGB power consumption is below 12W if replacing internal fans.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- PCCOOLER C3T500 ARGB Mid Tower PC Case (Black)
- 6 x 120mm ARGB Case Fans (pre-installed)
- Fan Hub (pre-installed)
- Accessory Box (containing mounting screws, cable ties, and user manual)

## PRODUCT OVERVIEW

The PCCOOLER C3T500 ARGB case features a column-free design with 3mm thick tempered glass for an unobstructed view of your internal components. The chassis is constructed from 0.7mm thick SPCC steel for durability.



Figure 1: Front view of the PCCOOLER C3T500 ARGB PC Case with internal components and ARGB lighting.

## Key Features:

- **Unobstructed View:** 3mm clear tempered glass with innovative column-free design.
- **Durable Construction:** 0.7mm thick SPCC steel chassis.
- **Pre-installed Cooling:** 6 x 120mm PWM ARGB case fans included.
- **Extensive Compatibility:** Supports ATX, M-ATX, ITX motherboards, 360mm radiators, 175mm CPU cooler height, 400mm GPU length, and ATX PSUs up to 200mm.
- **Easy Installation:** Snap-on quick-release side panel design for tool-less access.
- **I/O Ports:** 1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, MIC & AUDIO, LED Switch Button, Power Button.

## Dimensions:



Figure 2: Case dimensions for planning your build. Length: 415mm (16.3in), Width: 295mm (11.6in), Height: 368mm (14.5in).

## SETUP & INSTALLATION

Follow these steps for assembling your PC components within the C3T500 ARGB case.

### 1. Accessing the Interior:

The side panels feature a snap-on quick-release design. Gently pull the tempered glass panel to detach it. No screws are required for removal or reattachment.

# SNAP-ON QUICK-RELEASE DESIGN

No additional screws are required for installation



Figure 3: Snap-on quick-release side panel for easy, tool-less access.

## 2. Motherboard Installation:

The case supports ATX, M-ATX, and ITX motherboards. Install your motherboard onto the pre-installed standoffs. Ensure all mounting screws are securely fastened.



# PERFECT COMPATIBILITY

- **MB Support: ATX / M-ATX / ITX**
- **GPU Length Limit 400mm**
- **PSU: ATX up to 200mm in length**



**2**

3.5in Drive Bays

**1**

2.5in Drive Bays

**6**

Expansion Slots

Figure 4: Motherboard compatibility zones within the case.

### 3. GPU and Expansion Cards:

The case accommodates GPUs up to 400mm in length and features 6 expansion slots. Remove the necessary slot covers before installing your graphics card or other expansion cards.

### 4. Power Supply Installation:

Install your ATX power supply (up to 200mm) in the designated rear compartment. Route power cables through the provided cutouts for clean management.

### 5. Drive Installation:

The case is equipped with mounts for 2 x 2.5" SSDs and 2 x 3.5" HDDs. Secure your storage drives in their respective bays.

### 6. Cooling System:

The C3T500 ARGB comes with 6 pre-installed 120mm PWM ARGB fans. It supports 280mm and 360mm CPU water cooling systems at the top and bottom, and air coolers up to 175mm in height.

# POWERFUL COOLING SYSTEM

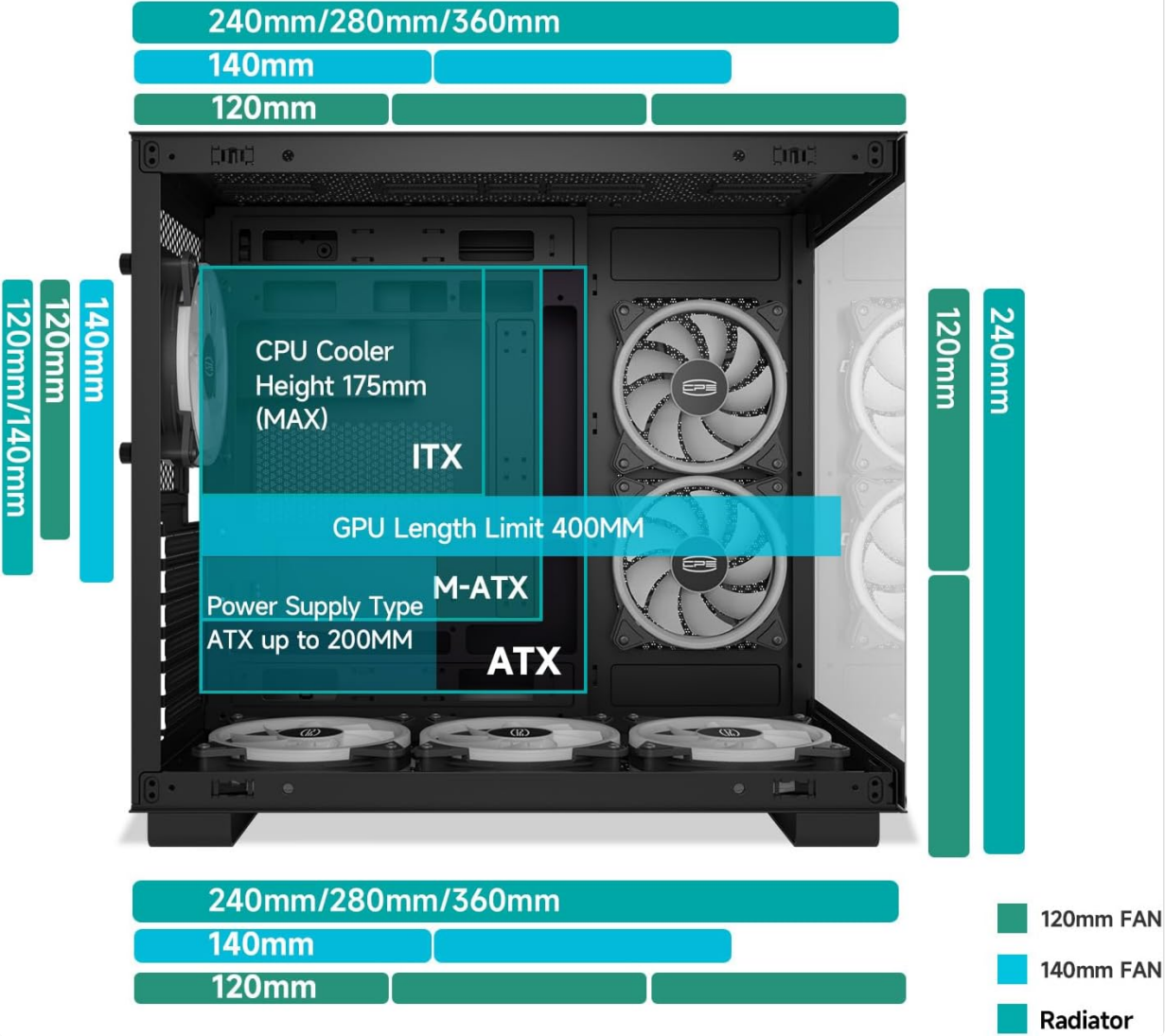


Figure 5: Comprehensive cooling options for fans and radiators.

# Pre-install 6pcs PWM ARGB Case Fans



- 6pcs PWM ARGB Fans
- Speed: 500~1100RPM  $\pm$  10%
- Air flow: 37CFM
- Air Pressure: 1.8mm-H<sub>2</sub>O
- Noise: 18.3dB

Figure 6: Details of the pre-installed 120mm PWM ARGB fans.

For advanced cooling solutions, consider the DA360 PRO ARGB Digital Liquid CPU Cooler:

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Video 1: Overview of the DA360 PRO ARGB Digital Liquid CPU Cooler, demonstrating its features and installation. This cooler is compatible with the C3T500 case.

## 7. Cable Management:

Utilize the cable routing channels and tie-down points behind the motherboard tray to ensure a clean and organized build, which also improves airflow.

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Video 2: A demonstration of the PCCOOLER C3T500 ARGB Computer Case in black, highlighting its design and internal space for cable management.

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Video 3: A detailed look at the PCCOOLER PCS T500 ARGB Computer Case, showcasing its features and build quality, including cable routing options.

## OPERATING INSTRUCTIONS

### ARGB Lighting Control:

The pre-installed ARGB fans are connected to a fan hub. Use the dedicated LED Switch Button on the front I/O panel to cycle through various lighting modes and colors. For advanced control, connect the fan hub to your motherboard's ARGB header (if available) and use your motherboard's software.

### Important Note:

- The attached fan hub only supports the 6 original fans. Do not connect extra fans to the hub to avoid damage.
- If replacing internal fans connected to the fan hub, ensure the total wattage of the 5V ARGB power consumption is below 12W.

## MAINTENANCE

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### Cleaning:

- Regularly clean the dust filters located at the top and bottom of the case to maintain optimal airflow. These filters are magnetic and easily removable for cleaning.
- Wipe tempered glass panels with a soft, lint-free cloth and a mild glass cleaner. Avoid abrasive materials.
- Use compressed air to clean dust from internal components and fan blades.

## TROUBLESHOOTING

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### Fan LEDs not working or stuck on one color:

- Ensure the fan hub is correctly connected to the power supply via SATA power.
- Verify that the fan hub's ARGB cable is properly connected to your motherboard's ARGB header (if using motherboard control).
- If using the case's LED button, ensure the fan hub is not simultaneously connected to the motherboard's ARGB header, or that the motherboard software is not overriding the case control. Some systems require holding the LED button for 3 seconds to switch between motherboard and case control.
- Check individual fan connections to the fan hub.
- If the fan hub is suspected to be faulty, contact PCCOOLER customer service.

### Poor Airflow/High Temperatures:

- Ensure all pre-installed fans are spinning correctly.
- Clean all dust filters and internal components.
- Verify correct fan orientation (intake/exhaust) for optimal airflow.
- Check for any obstructions to airflow within the case, such as poorly managed cables.

## SPECIFICATIONS

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Brand	PCCOOLER
Model Name	C3T500 ARGB BK
Case Type	Mid Tower
Motherboard Compatibility	ATX / M-ATX / ITX
Material	Alloy Steel, Metal, Tempered Glass



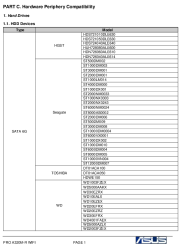
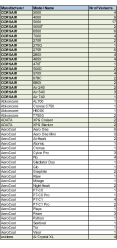
<b>Item Dimensions (LxWxH)</b>	16.34 x 11.61 x 14.49 inches (415 x 295 x 368 mm)
<b>Item Weight</b>	16.72 pounds
<b>GPU Length Limit</b>	400mm
<b>CPU Cooler Height Limit</b>	175mm
<b>Power Supply Type</b>	ATX (up to 200mm)
<b>Drive Bays</b>	2 x 2.5" SSD, 2 x 3.5" HDD
<b>Expansion Slots</b>	6
<b>Pre-installed Fans</b>	6 x 120mm PWM ARGB Fans
<b>Radiator Support</b>	Top: 240/280/360mm, Bottom: 240/280/360mm
<b>I/O Ports</b>	1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, MIC & AUDIO, LED Switch, Power Button

## WARRANTY & SUPPORT

PCCOOLER CPS PC CASE series products come with a two-year warranty. If you encounter any issues or have questions regarding your product during purchase or use, please contact the PCCOOLER customer service team. They are committed to providing support and resolving any concerns.

For customer service, please refer to the contact information provided in your product packaging or on the official PCCOOLER website.

## Related Documents - C3T500

	<p><a href="#">ASUS PRO A320M-R WIFI Hardware Peripheral Compatibility List</a></p> <p>A comprehensive compatibility list for hardware peripherals with the ASUS PRO A320M-R WIFI motherboard, detailing compatible Hard Drives, SSDs, Power Supplies, Peripherals (USB Storage, Audio, Networking, Fans, Keyboards, Mice), Controller Cards (Graphics, SATA, SAS), Optical Drives, Printers, TV Tuners, Input Devices, Display Devices (Monitors, Projectors), UPS, Modems, TPM, and VR/MR devices, including model numbers and manufacturers.</p>
	<p><a href="#">Comprehensive List of PC Case Manufacturers and Models</a></p> <p>A detailed list of computer case manufacturers, their product model names, and the number of variants available, covering brands like Corsair, Antec, AeroCool, Cooler Master, Fractal Design, Lian Li, Thermaltake, NZXT, Phanteks, Gigabyte, MSI, Zalman, and many more.</p>

