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Thermaltake CA-1X7-00F6WN-00

Thermaltake CTE C700 Air Snow Mid Tower User Manual

Model: CA-1X7-00F6WN-00 | Brand: Thermaltake

1. INTRODUCTION

The Thermaltake CTE C700 Air Snow Mid Tower chassis is designed with Centralized Thermal Efficiency (CTE) to provide optimal cooling performance for your PC components. This E-ATX mid tower features a unique 90-degree rotated motherboard layout, which enhances airflow and allows for flexible component placement. It is ideal for users seeking high thermal performance and extensive customization options, including support for advanced liquid cooling setups.



Image: The Thermaltake CTE C700 Air Snow Mid Tower PC case, showcasing its white exterior and tempered glass side panel.

2. KEY FEATURES

- **CTE Form Factor Designed by Thermaltake:** Engineered for superior thermal performance with a unique internal layout.
- **Multi-directional Cooling Support:** Optimized for diverse cooling configurations, including extensive fan and radiator support.
- **Rotated 90-degree Motherboard (CPU Centralized):** Innovative design that centralizes the CPU for improved thermal efficiency and airflow pathways.

- **Multi-radiator Cooling Support:** Accommodates multiple AIO (All-In-One) liquid coolers or custom liquid cooling loops.
- **Back Panel Chamber Design:** Dedicated space for PSU, storage, and cable management, ensuring a clean and organized build.



Image: A diagram showcasing the 90-degree rotation of the motherboard tray, designed for more efficient airflow pathways.

3. SETUP GUIDE

3.1 Preparing the Chassis

Before beginning your build, ensure you have a clean, spacious work area. Remove the tempered glass side panel by utilizing the small tab located on the upper left corner, which releases the panel from its peg hooks. This provides full access to the interior.



CREATE AND DISPLAY YOUR DREAM BUILD

Framed to fit your view, the CTE C700 Air comes with one 4mm tempered glass panels. To make removing the tempered glass easy there is a small tab located on the upper left corner and to hold things back in place the tempered glass panel snaps back in utilizing peg hooks, which are located on the rest of the panels of chassis as well.

Image: The CTE C700 Air Snow case with its tempered glass side panel removed, ready for component installation.

3.2 Motherboard and CPU Installation

Due to the 90-degree rotated motherboard tray, the CPU is centralized, optimizing thermal performance. Install your motherboard onto the standoffs provided. Ensure all necessary power and data cables are routed through the grommets for clean cable management in the back panel chamber.

3.3 Power Supply and Storage Installation

The dual-chamber design places the power supply unit (PSU) and storage drives in a separate compartment behind the motherboard tray. Install your standard PS2 PSU in the designated area. Utilize the dedicated brackets for SSDs and HDDs for secure mounting.

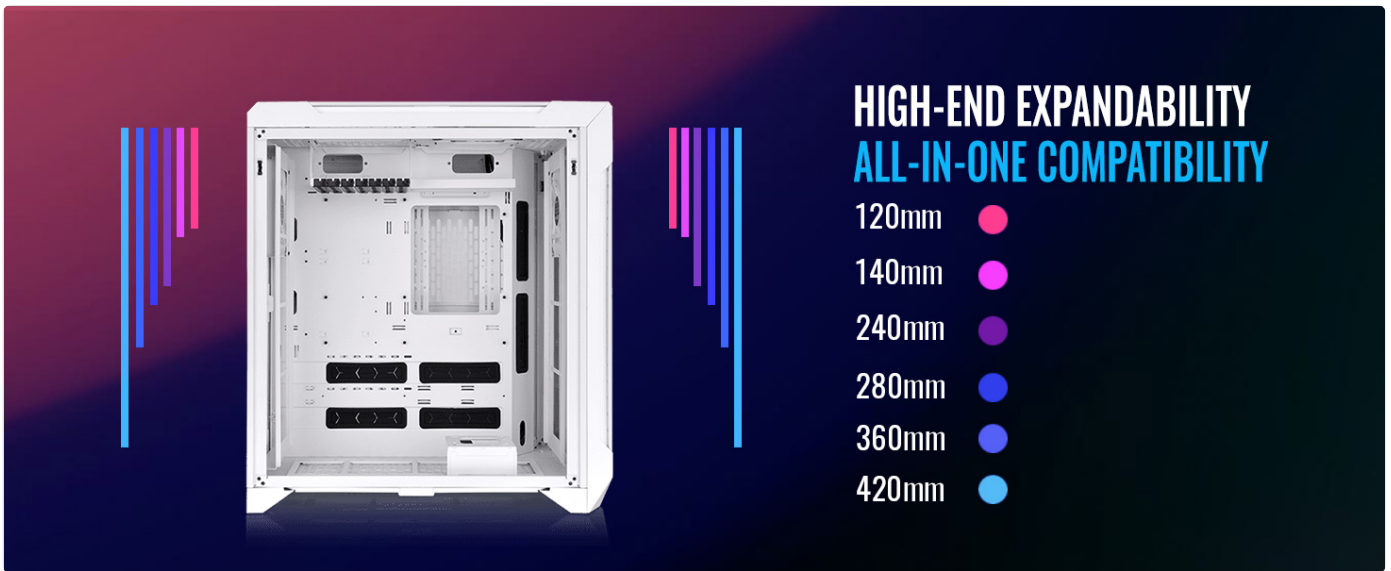


Image: A diagram illustrating the various mounting options for SSDs and HDDs within the chassis's storage compartment.

3.4 Fan and Radiator Installation

The CTE C700 Air Snow comes with three 140mm CT140 fans pre-installed (one front, one top, one rear). The chassis offers extensive fan and radiator support:

- **Fan Support:** Up to three 120mm/140mm fans at the front and rear, two 120mm/140mm fans at the top, and one 120mm/140mm fan at the right and bottom.
- **Radiator Support:** Up to 420mm AIO radiators at the front and rear. Custom liquid cooling radiators up to 360mm can be installed at the front and rear, and 280mm at the bottom.

Radiator Support List

	120mm	240mm	360mm	140mm	280mm	420mm
Front	●	●	●	●	●	●
Right	-	-	-	-	-	-
Rear	●	●	●	●	●	●
Bottom	-	-	-	-	-	-

Custom Liquid Cooling Compatibility List

	120mm	240mm	360mm	140mm	280mm
Front	●	●	●	●	●
Top	-	-	-	-	-
Rear	●	●	●	●	●
Bottom	●	●	●	●	●

Rear
360mm x 1
or
420mm x 1

Front
360mm x 1
or
420mm x 1

Image: A visual representation of the fan support locations and compatible sizes (120mm, 140mm, 200mm) within the CTE C700 Air Snow chassis.



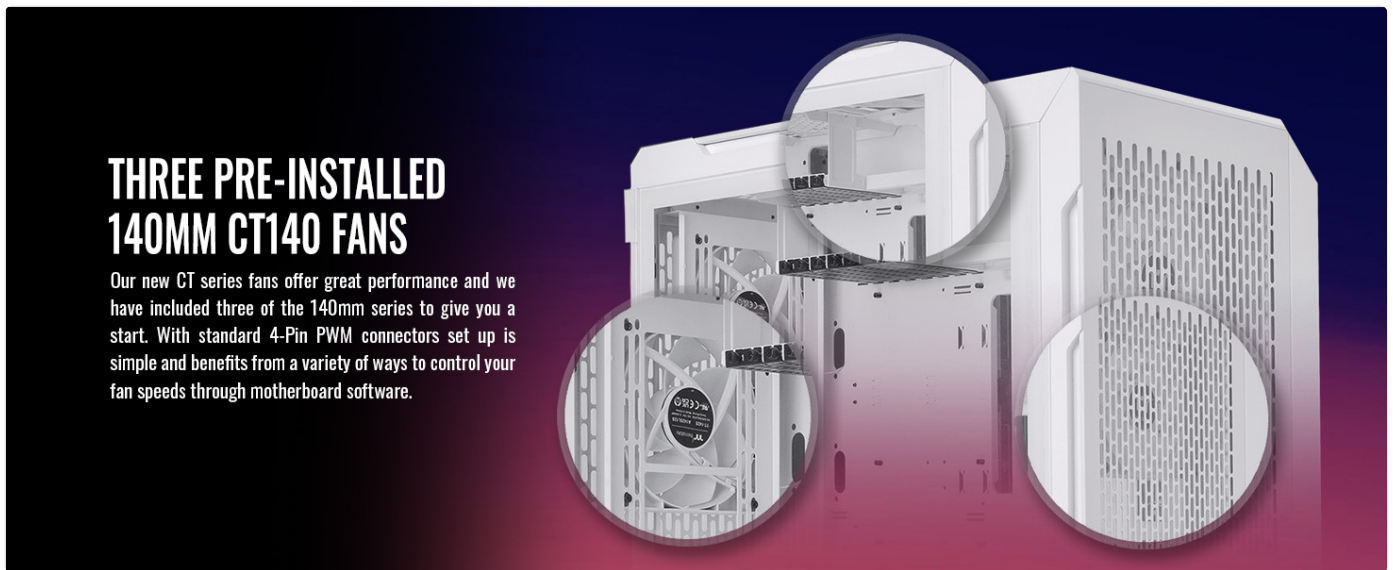
EVERYTHING YOU NEED IN ONE PLACE

Two USB 3.0 ports, one USB 3.2 Gen 2 Type-C, and HD Audio ports are placed on the top panel to grant direct access when needed.

Image: A diagram detailing the radiator support locations and compatible sizes (120mm, 240mm, 360mm, 140mm, 280mm, 420mm) for both AIO and custom liquid cooling setups.

3.5 Graphics Card Installation

The case supports both conventional direct connection to the motherboard and rotated installation using a riser cable (sold separately) for optimal viewing angles. The included riser bracket is compatible with both 90-degree and 180-degree mounting style riser cables.



THREE PRE-INSTALLED 140MM CT140 FANS

Our new CT series fans offer great performance and we have included three of the 140mm series to give you a start. With standard 4-Pin PWM connectors set up is simple and benefits from a variety of ways to control your fan speeds through motherboard software.

Image: A diagram illustrating the rotatable PCI-E slot and riser mounting bracket for flexible graphics card display options.

4. OPERATING CONSIDERATIONS

The CTE C700 Air Snow is designed for maximum airflow. Ensure proper fan configuration (intake/exhaust) to maintain optimal internal temperatures. The centralized CPU and rotated motherboard design contribute to efficient heat dissipation. The top panel features USB 3.0, USB 3.2 Gen 2 Type-C, and HD Audio ports for convenient access.



PERFECT DUST PROTECTION

There are five removable filters at the top, front, bottom, rear and right side of the chassis to provide excellent protection against dust, and they are easily removable for cleaning.

Image: A close-up view of the top panel I/O ports, including USB 3.0, USB 3.2 Gen 2 Type-C, and HD Audio connections.

5. MAINTENANCE

Regular maintenance is crucial for maintaining optimal performance and longevity of your PC components. The CTE C700 Air Snow features five removable dust filters located at the top, front, bottom, rear, and right side of the chassis. These filters are easily removable for cleaning. Periodically remove and clean these filters to prevent dust buildup and ensure unrestricted airflow.



STORAGE FOR YOUR STORAGE

SSD

HDD

Image: A diagram illustrating the locations of the five removable dust filters on the CTE C700 Air Snow chassis, designed for easy cleaning and perfect dust protection.

6. TROUBLESHOOTING

6.1 Case Size and Space Considerations

The CTE C700 Air Snow is a large mid-tower case. Before purchase, verify its dimensions (566.5 x 327.6 x 505.5 mm) to ensure it fits your intended space. Its generous size provides ample room for components and cooling solutions.

6.2 Top-Facing I/O Ports

Due to the rotated motherboard design, the rear I/O ports face upwards. If frequent access to these ports is required, consider using right-angle adapters or port covers to protect against dust and accidental contact. Ensure sufficient cable length for peripherals connected to these ports.

6.3 Graphics Card Orientation and Cooling

While the case supports a hanging GPU orientation, some graphics card cooling apparatuses may not perform optimally in this setup. If you experience higher GPU temperatures, consider using a riser cable to mount the GPU in a traditional vertical orientation. Ensure the riser cable is of adequate length (e.g., 40cm to 50cm) for the included floating GPU mount.

6.4 Case Stability

If the case exhibits slight wobbling, ensure all four feet pads are securely attached and the case is placed on a flat, stable surface. Minor adjustments to the placement can often resolve this.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
P/N	CA-1X7-00F6WN-00
Series	CTE
Case Type	Mid Tower
Dimensions (H x W x D)	566.5 x 327.6 x 505.5 mm (22.3 x 12.9 x 19.9 inch)
Net Weight	15.6 kg / 34.39 lbs.
Side Panel	4mm Tempered Glass x 1
Color	White (Snow)
Material	SPCC / ABS
Pre-installed Fans	Front: 1x 140mm CT140; Top: 1x 140mm CT140; Rear: 1x 140mm CT140
Expansion Slots	7
Motherboard Compatibility	Mini ITX, Micro ATX, ATX, E-ATX
I/O Port	USB 3.2 (Gen 2) Type-C x 1, USB 3.0 x 2, HD Audio x 1
PSU Support	Standard PS2 PSU (optional)
CPU Cooler Max Height	190mm
VGA Max Length	327mm (With radiator), 410mm (Without radiator)
PSU Max Length	220mm

8. WARRANTY AND SUPPORT

8.1 Return Policy

This product typically comes with a 30-day return policy for refunds or replacements, subject to the retailer's terms and conditions.

8.2 Protection Plans

Extended protection plans may be available for purchase, offering coverage beyond the standard manufacturer's

warranty. These plans can provide additional peace of mind for 3 or 4 years, or through monthly subscription options.

8.3 Manufacturer Support

For technical assistance, warranty claims, or product inquiries, please visit the official Thermaltake website or contact their customer support directly. Keep your proof of purchase and product model number (CA-1X7-00F6WN-00) readily available when seeking support.