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Thermaltake H570 TG Snow

Thermaltake H570 TG Snow Edition ATX Mid Tower ARGB Tempered Glass Computer Case Instruction Manual

Model: H570 TG Snow (CA-1T9-00M6WN-00)

Brand: Thermaltake

1. Introduction

The Thermaltake H570 TG Snow Mid Tower Chassis is designed for optimal performance and aesthetics. It features a mesh front panel for enhanced airflow, three pre-installed 120mm 5V ARGB front fans, a 4mm tempered glass side panel, and a full-length PSU cover for clean cable management. This manual provides essential information for setting up, operating, and maintaining your computer case.

2. Key Features

2.1 Mesh Front Panel

The H570 TG Snow features a large, airflow-optimized mesh front panel. This design maximizes air intake, ensuring efficient cooling for your internal components.



Image: Front view of the Thermaltake H570 TG Snow case, highlighting the mesh front panel for airflow.

2.2 Three Built-in 120mm 5V ARGB Fans

The case comes with three pre-installed 120mm 5V ARGB fans at the front. These fans provide vibrant lighting effects and can be controlled either via compatible motherboard synchronization software (from ASUS, GIGABYTE, MSI, and ASRock) or through the dedicated RGB switch located on the top I/O port. Long-pressing the RGB button for three seconds allows switching between physical button control and motherboard software control.



Image: Close-up of the front of the H570 TG Snow case, showing the three illuminated 120mm ARGB fans behind the mesh panel.

2.3 Built-in PSU Cover

A full-length power supply (PSU) cover is integrated into the chassis design. This cover provides ample space to neatly tuck away cables, improving the internal appearance and maintaining clear airflow paths for your hard drives and PSU.

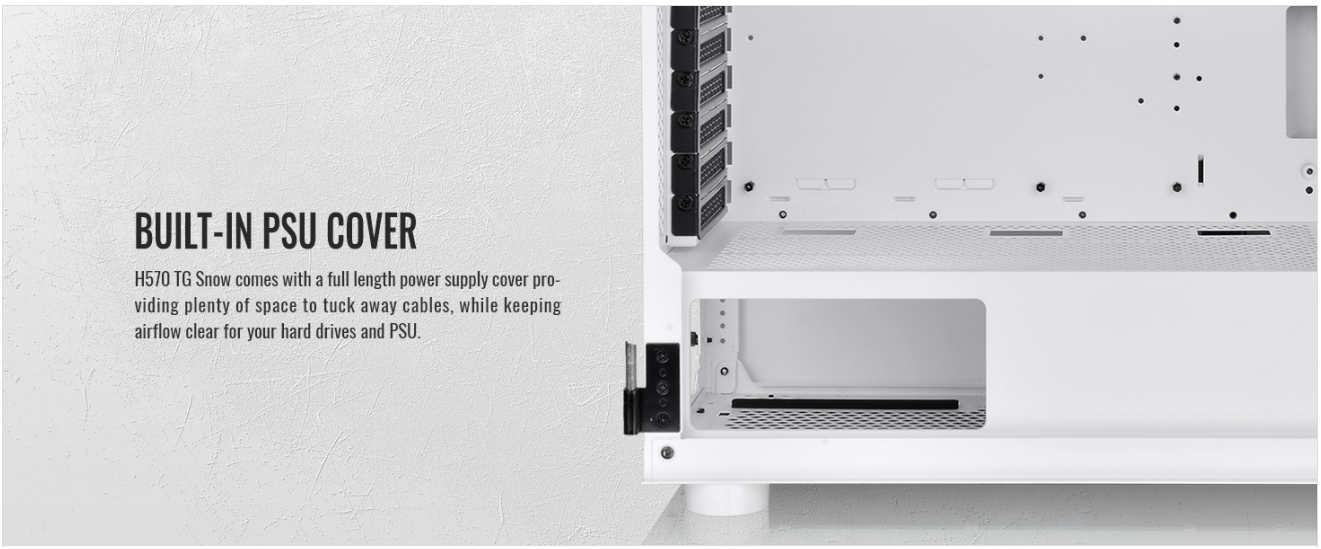


Image: Internal view of the H570 TG Snow case, illustrating the built-in PSU cover and the space it provides for cable routing.

2.4 Tempered Glass Panel

The H570 TG Snow features a 4mm thick tempered glass panel on the left side. This panel is more scratch-resistant than standard acrylic and offers a clear view of your internal components, allowing you to showcase your build.



Image: The H570 TG Snow case with its tempered glass side panel swung open, revealing the interior.

2.5 Handy I/O Ports

The top panel of the case provides convenient access to essential I/O ports, including one USB 3.0 port, two USB 2.0 ports, and HD Audio jacks (microphone and headphone). An LED button is also present for controlling the ARGB lighting.



Image: Detailed view of the top I/O panel, showing the USB ports, audio jacks, and LED button.

3. Technical Specifications

Feature	Specification
Model	H570 TG Snow (CA-1T9-00M6WN-00)
Case Type	Mid Tower
Dimensions (H x W x D)	487 x 216 x 463.6 mm (19.2 x 8.5 x 18.3 inch)
Net Weight	7.65 kg / 16.87 lbs.
Side Panel	4 mm Tempered Glass x 1
Color	White
Material	SPCC
Cooling System (Pre-installed)	Front: 3 x 120mm 5V ARGB fan (1000rpm, 27.2 dBA) Rear: 1 x 120mm standard fan (1100rpm, 22.5 dBA)
Drive Bays	2 x 3.5” or 2 x 2.5” (Hidden) 2 x 2.5” (Hidden)
Expansion Slots	7
Motherboards Supported	Mini ITX (6.7” x 6.7”), Micro ATX (9.6” x 9.6”), ATX (12” x 9.6”), E-ATX (12” x 13”)
I/O Port	USB 3.0 x 1, USB 2.0 x 2, HD Audio x 1, LED button x 1
PSU Support	Standard PS2 PSU (optional)
Clearance	CPU cooler height: 160mm VGA length: 375mm PSU length: 180mm

3.1 Fan Support List

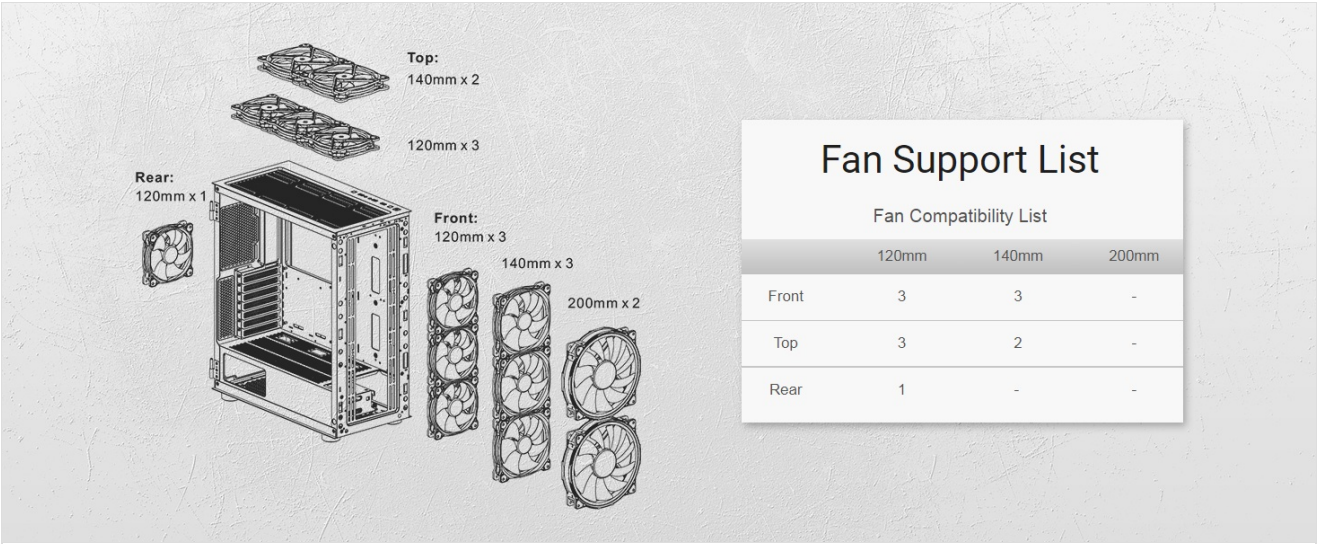


Image: Fan compatibility chart and diagram for the H570 TG Snow case, detailing supported fan sizes and locations.

3.2 Radiator Support List

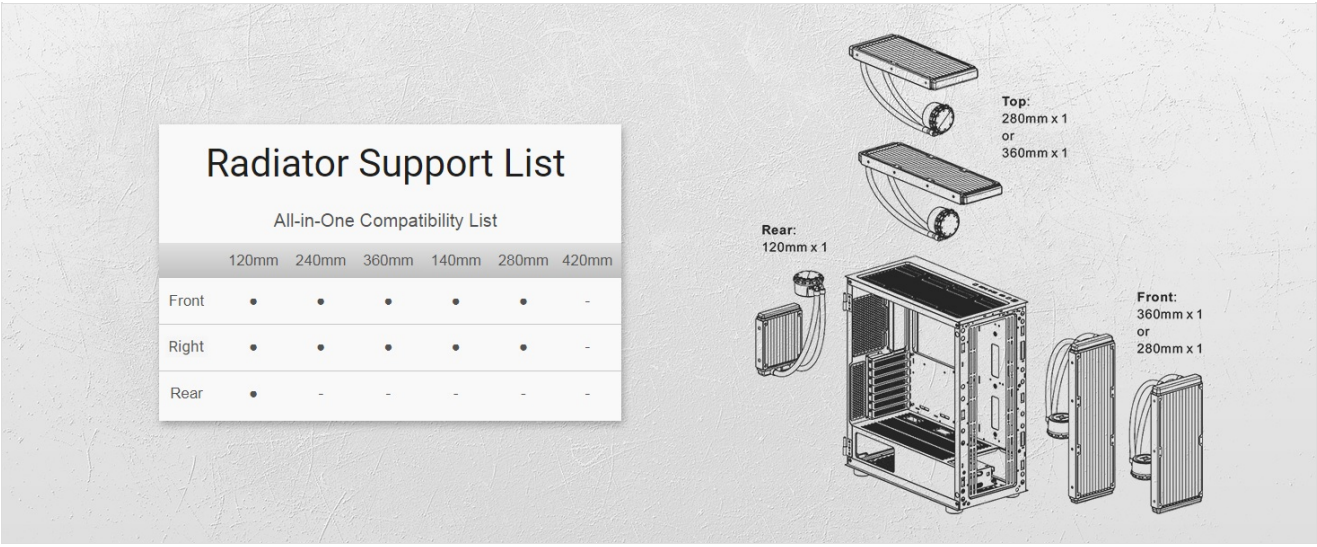


Image: Radiator compatibility chart and diagram for the H570 TG Snow case, detailing supported radiator sizes and locations.

4. Setup and Installation

This section outlines the general steps for assembling your computer components within the H570 TG Snow chassis. Always refer to the individual component manuals for specific installation instructions.

4.1 Preparing the Case

1. Carefully remove the tempered glass side panel by unscrewing the thumb screws at the rear of the case and gently swinging it open.
2. Remove the solid metal side panel by unscrewing the thumb screws at the rear.
3. The mesh front panel can be detached by pulling from the bottom edge to access the front fan mounts.



Image: An angled view of the Thermaltake H570 TG Snow case, showing the interior with the tempered glass panel removed.

4.2 Component Installation

1. **Motherboard:** Install your motherboard onto the pre-installed standoffs. Ensure all necessary screws are tightened.
2. **Power Supply (PSU):** Mount your standard PS2 PSU into the dedicated compartment at the bottom rear of the case.
3. **Storage Drives:** Install 3.5" HDDs or 2.5" SSDs into the designated drive bays located under the PSU shroud or behind the motherboard tray.



Image: A detailed view of a removable drive bay, showing how a 2.5-inch SSD can be installed.

4. **Graphics Card (VGA):** Install your graphics card into the appropriate PCIe slot on your motherboard. The case supports VGA cards up to 375mm in length.
5. **Cable Management:** Utilize the space behind the motherboard tray and the PSU cover to route and organize your cables. This improves airflow and the overall aesthetic of your build.



Image: Internal view of the H570 TG Snow case from the rear side, showing the cable management area behind the motherboard tray.

5. Operating Instructions

5.1 Power On/Off

Press the power button on the top I/O panel to turn your system on or off.

5.2 ARGB Fan Control

The pre-installed ARGB fans can be controlled using the LED button on the top I/O panel. A short press cycles through various lighting modes. A long press (3 seconds) switches between physical button control and motherboard synchronization software control.

5.3 I/O Port Usage

Connect your USB devices to the USB 3.0 or USB 2.0 ports. Use the HD Audio jacks for headphones and microphones.

6. Maintenance

6.1 Dust Filter Cleaning

Regularly clean the mesh front panel and any installed dust filters (e.g., top magnetic filter) to maintain optimal airflow and prevent dust buildup. Filters can typically be removed and cleaned with water or a soft brush.

6.2 General Cleaning

Use a soft, dry cloth to wipe down the exterior of the case. For the tempered glass panel, use a glass cleaner and a microfiber cloth to avoid scratches.

7. Troubleshooting

7.1 System Not Powering On

- Ensure the power cable is securely connected to the PSU and the wall outlet.
- Verify the PSU switch is in the 'On' position.
- Check all internal power connections, especially the 24-pin ATX and 8-pin CPU power cables to the motherboard.
- Confirm the front panel power switch cable is correctly connected to the motherboard's F_PANEL header.

7.2 Fans Not Spinning/ARGB Not Working

- Check fan power connections to the motherboard or fan controller.
- Verify ARGB connections to the motherboard's 5V ARGB header or the integrated RGB controller.
- If using motherboard software, ensure it is installed and configured correctly.

7.3 Overheating Issues

- Ensure all case fans are spinning and oriented correctly for optimal airflow (front for intake, rear/top for exhaust).
- Clean any dust filters to prevent airflow restriction.
- Verify CPU cooler and GPU fans are functioning properly.

8. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Thermaltake website. For technical support, product registration, or to download the latest drivers and software, please visit the Thermaltake support page.

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