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› Thermaltake S100 TG Snow Edition Mini Tower PC Case User Manual

## Thermaltake S100

# Thermaltake S100 TG Snow Edition Mini Tower PC Case User Manual

Model: S100 TG Snow Edition (CA-1Q9-00S6WN-00)

## 1. INTRODUCTION

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This manual provides essential instructions for the installation, operation, and maintenance of your Thermaltake S100 TG Snow Edition Mini Tower PC Case. This compact chassis is designed to accommodate Micro ATX and Mini-ITX motherboards, offering a tempered glass swing door panel for easy access and component visibility. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe usage.



Figure 1.1: Thermaltake S100 TG Snow Edition PC Case with example internal components.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions during installation and operation:

- Disconnect the power supply from the wall outlet before installing or removing any components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Handle components carefully. Avoid touching pins or circuit boards directly.
- Ensure all cables are routed properly and do not obstruct airflow or moving parts.
- Keep the case away from liquids, excessive heat, and direct sunlight.
- Do not attempt to modify the case or its components, as this may void your warranty and pose safety risks.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Thermaltake S100 TG Snow Edition Mini Tower Chassis
- Accessory Box (screws, standoffs, cable ties, etc.)
- 1x 120mm Rear Fan (pre-installed)
- User Manual (this document)

If any items are missing or damaged, please contact your retailer or Thermaltake customer support.

### 4. SPECIFICATIONS

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Feature	Specification
Brand	Thermaltake
Model Name	S100 TG Snow Edition
Case Type	Mini-Tower
Motherboard Compatibility	Micro ATX, Mini-ITX
Material	Tempered Glass, Steel
Color	White
Power Supply Mounting	Bottom Mount
Cooling Method	Air, Water (supports up to 280mm radiators)
Included Fans	1x 120mm Rear Fan
Front I/O Ports	2x USB 2.0, 1x USB 3.0, HD Audio
Expansion Slots	4
Drive Bays	3x 3.5" (or 2.5")
Max GPU Length	330mm (13.0 inches)
Max CPU Cooler Height	165mm

Feature	Specification
Item Weight	6.1 Kilograms
Dimensions (D x W x H)	16.18" x 8.66" x 16.18" (411mm x 220mm x 411mm)

## 5. SETUP AND INSTALLATION

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Follow these steps to install your PC components into the Thermaltake S100 TG Snow Edition case.

### 5.1 Opening the Case

1. Locate the tempered glass side panel on the left side of the case.
2. Gently pull the panel open using the handle. The panel is hinged and swings open for easy access.



Figure 5.1: Tempered glass side panel swung open for component access.

### 5.2 Motherboard Installation

1. Install the necessary motherboard standoffs onto the motherboard tray according to your Micro ATX or Mini-ITX motherboard's screw hole pattern.
2. Carefully place your motherboard onto the standoffs, aligning the screw holes.
3. Secure the motherboard with the provided screws.

### 5.3 Power Supply Installation

1. The power supply unit (PSU) mounts at the bottom rear of the case.

2. Slide the PSU into its designated compartment from the rear of the case.
3. Secure the PSU with screws from the exterior rear of the case.

## 5.4 Storage Drive Installation

1. Locate the drive bays within the case. The S100 supports up to three 3.5-inch drives (which can also accommodate 2.5-inch drives).
2. Mount your hard drives (HDDs) or solid-state drives (SSDs) into the drive trays or mounting points.
3. Secure the drives with the appropriate screws.



Figure 5.2: Interior view highlighting the drive bay area.

## 5.5 Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your expansion card (e.g., graphics card) into the appropriate PCIe slot on the motherboard.
3. Secure the expansion card with screws. The case supports expansion cards up to 330mm in length.





Figure 5.3: Rear view of the chassis, showing expansion slots.

## 5.6 Cable Management

1. Route all power and data cables through the designated cutouts in the motherboard tray.
2. Utilize the cable tie points on the rear of the motherboard tray to secure cables, ensuring a clean interior and optimal airflow.
3. Connect the front I/O panel cables (USB, audio, power/reset switches, LEDs) to their respective headers on the motherboard.



Figure 5.4: Top I/O panel with USB 2.0, USB 3.0, and audio ports.

## 5.7 Closing the Case

1. Once all components are installed and cables are managed, gently close the tempered glass side panel until it latches securely.

## 6. OPERATING INSTRUCTIONS

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The Thermaltake S100 TG Snow Edition PC Case functions as an enclosure for your computer components. Its operation is primarily determined by the installed hardware and software. Ensure proper airflow by not obstructing the ventilation openings.

- **Power On:** Press the power button located on the top I/O panel to start your computer.
- **Reset:** Use the reset button on the top I/O panel to restart the system if necessary.
- **USB Ports:** Connect USB devices to the front USB 2.0 and USB 3.0 ports for convenient access.
- **Audio Jacks:** Use the front audio jacks for headphones and microphones.

## 7. MAINTENANCE

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

- **Dust Filters:** The S100 TG Snow Edition features removable dust filters (e.g., on the top and bottom). Regularly remove and clean these filters to prevent dust buildup and maintain good airflow.



Figure 7.1: Removing the top magnetic dust filter for cleaning.

- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Interior Cleaning:** Periodically use compressed air to clear dust from internal components and fan blades. Ensure the system is powered off and unplugged before cleaning the interior.

## 8. TROUBLESHOOTING

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This section addresses common issues that may arise during PC assembly or operation.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
System does not power on	Power supply not connected or faulty; front panel power switch not connected correctly.	Ensure PSU is plugged in and switched on. Verify front panel power switch cable is correctly connected to motherboard header.
No display output	Graphics card not seated properly; monitor cable disconnected; integrated graphics active.	Reseat graphics card. Check monitor cable connections. Ensure display cable is connected to the graphics card, not the motherboard (if a dedicated GPU is installed).
Fans not spinning	Fan cables disconnected; fan header settings in BIOS.	Check fan power connections to motherboard or fan controller. Verify fan speed settings in BIOS/UEFI.
USB ports not working	Front panel USB cable disconnected from motherboard.	Ensure USB 2.0 and USB 3.0 cables from the front panel are securely connected to the correct headers on the motherboard.

## 9. WARRANTY AND SUPPORT

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Thermaltake products are manufactured to the highest quality standards. For detailed warranty information and technical support, please visit the official Thermaltake website or contact their customer service department.

**Official Website:** [www.thermaltake.com](http://www.thermaltake.com)

Please retain your proof of purchase for warranty claims.