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## Thermaltake CA-1Y4-00S1WN-00

# Thermaltake Tower 300 Micro-ATX Case Instruction Manual

Brand: Thermaltake | Model: CA-1Y4-00S1WN-00

## 1. PRODUCT OVERVIEW

The Thermaltake Tower 300 is a new edition to The Tower Series, inheriting the classic vertical case design but featuring an octagonal prism shape. It offers exceptional hardware compatibility and cooling solutions for your PC build.

Key features include:

- Octagonal tower chassis supports up to M-ATX motherboard.
- Includes two 140mm CT Fans for efficient cooling.
- Supports up to three 120mm/140mm fans or a 420mm radiator.
- Optional Chassis Stand Kit allows for unique horizontal display (sold separately).
- Additional 3.9" LCD Screen Kit available for purchase to display real-time component information.

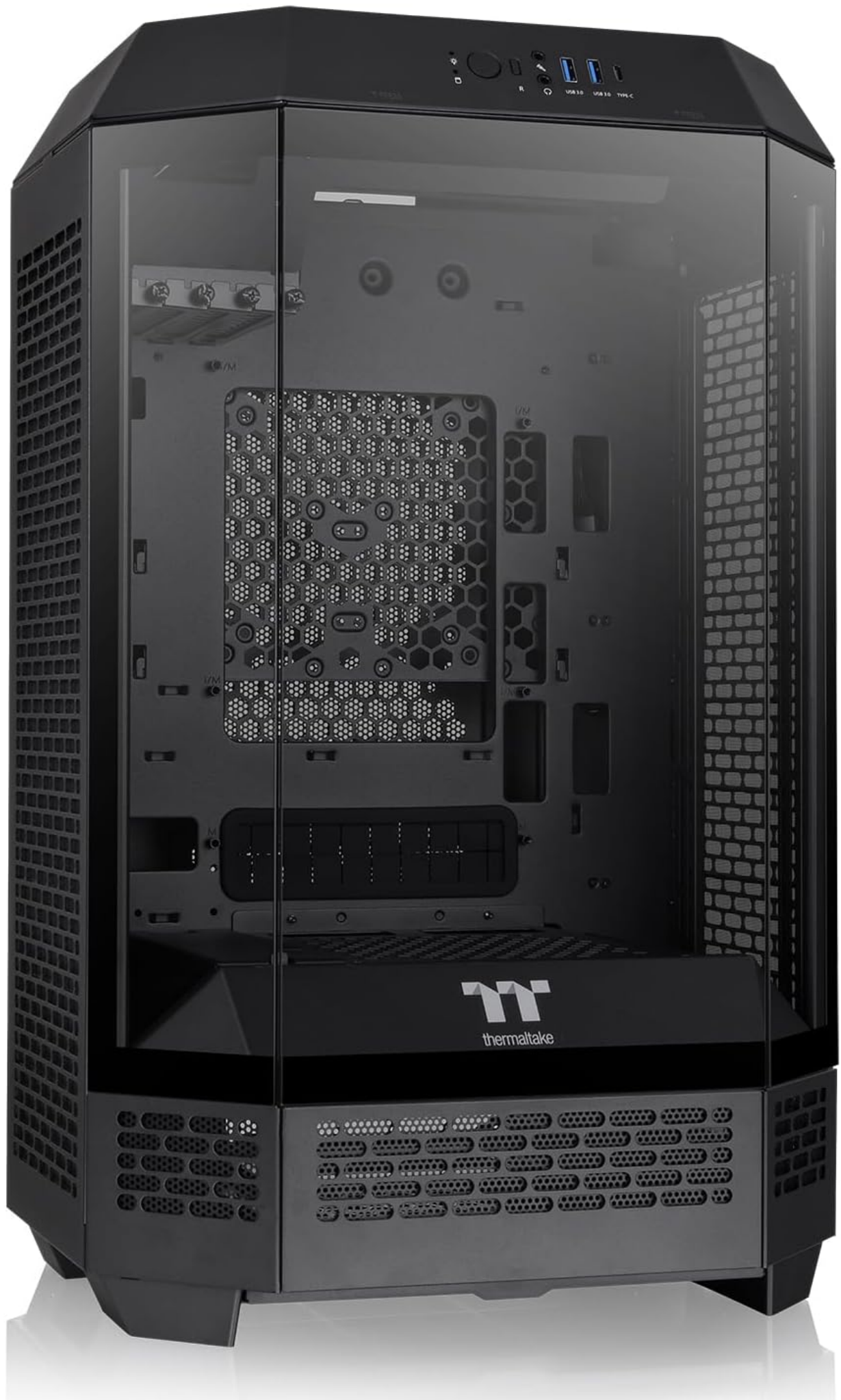


Figure 1: Front view of the Thermaltake Tower 300 Micro-ATX Case.



## THE TOWER 300 MICRO TOWER CHASSIS

The Tower 300 is an m-ATX case with a classic vertical case design and comes in an octagonal prism shape. It supports up to a 420mm AIO radiator on the right side and can accommodate up to eight 120mm/140mm fans. With a separately sold Chassis Stand Kit, users can enjoy a unique view with a special horizontal placement.

Figure 2: The Tower 300 Micro Tower Chassis showcasing internal component compatibility and fan support.

## 2. SETUP AND INSTALLATION

The Tower 300 is designed for easy assembly and component installation. Its modular design allows for convenient access to all areas of the chassis.

### 2.1 Tool-Free Panel Access

The chassis features three 3mm tempered glass panels on the front and two perforated panels on each side. All panels are easily removable without tools, simplifying the installation process and providing quick access to internal components.



Figure 3: Tool-free removable panels for easy access and installation.

## 2.2 Component Installation

Install your Micro-ATX motherboard, graphics card (up to 400mm without power cover, 280mm with power cover), and standard PS2 power supply (up to 220mm). The case provides ample space for cable management.

## 2.3 Optional Chassis Stand Kit

For a unique horizontal display, the optional Chassis Stand Kit (sold separately) can be utilized. This kit includes a bottom cover panel and a display stand. To install, unscrew the original feet, then install the new bottom cover and place the chassis on the stand. It is recommended to position the radiator higher than the AIO pump when using this configuration.



## A UNIQUE VIEW - HORIZONTAL CASE PLACEMENT

With the optional chassis stand kit, which includes a bottom cover panel and a display stand for horizontal case placement, The Tower 300 allows for easy customization of the case for a unique viewing experience.

Figure 4: The Tower 300 displayed horizontally with the optional Chassis Stand Kit.

### 3. OPERATING AND COOLING

The Tower 300 is engineered for optimal thermal performance, ensuring your components stay cool even under heavy loads.

#### 3.1 Pre-installed Fans

The case comes with two 140mm CT fans pre-installed on the top, providing effective exhaust cooling.



## TWO CT140 PC COOLING FANS PRE-INSTALLED

The Tower 300 features two 140mm PWM fans on the top to provide good cooling performance.

Figure 5: Two CT140 PC cooling fans pre-installed on the top of the chassis.

### 3.2 Airflow Configuration

The vertical design promotes excellent airflow. With dedicated intakes and exhausts, the chassis maintains optimal temperatures. You can install additional fans on the right side, rear, and power cover for enhanced cooling.

- **Top:** 2 x 120mm, 1 x 120mm, 2 x 140mm, 1 x 140mm
- **Right Side:** 3 x 120mm, 2 x 120mm, 1 x 120mm, 3 x 140mm, 2 x 140mm, 1 x 140mm
- **Rear:** 2 x 120mm, 1 x 120mm, 2 x 140mm, 1 x 140mm
- **Power Cover:** 1 x 120mm, 1 x 140mm

### 3.3 Radiator Support

The Tower 300 supports a wide range of radiators for liquid cooling solutions, including up to a 420mm radiator on the right side.

- **Right Side (AIO):** 1 x 360mm, 1 x 240mm, 1 x 120mm, 1 x 420mm, 1 x 280mm, 1 x 140mm

## 4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Thermaltake Tower 300 case.

## 4.1 Dust Protection

The Tower 300 is equipped with well-designed filters on the top, rear, inner sides, and inner bottom layer to protect your system from dust accumulation. Periodically remove and clean these filters to maintain optimal airflow and prevent dust buildup inside the chassis.

## 4.2 General Cleaning

Use a soft, dry cloth to wipe down the exterior surfaces of the case. For tempered glass panels, a glass cleaner can be used, applied to the cloth first, not directly to the glass. Ensure the system is powered off and unplugged before cleaning.

# 5. TROUBLESHOOTING

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This section provides general troubleshooting tips for common issues you might encounter with your PC case. For specific component-related issues, please refer to the respective component manuals.

- **No Power:** Ensure all power cables (PSU to wall, PSU to motherboard, CPU, GPU) are securely connected. Check the power switch on the PSU.
- **Fans Not Spinning:** Verify fan cables are correctly connected to the motherboard or fan controller. Check BIOS settings for fan control.
- **Overheating:** Ensure all fans are functioning correctly and oriented for proper airflow (intake/exhaust). Clean dust filters regularly. Verify CPU cooler and GPU cooler are properly seated.
- **Front I/O Ports Not Working:** Check internal cables connecting the front I/O panel to the motherboard (USB, audio, power/reset switches).
- **Noise Issues:** Identify the source of the noise (fans, pump, hard drive). Ensure fans are not obstructed and are securely mounted.

# 6. SPECIFICATIONS

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Feature	Detail
P/N	CA-1Y4-00S1WN-00
Series	The Tower
Case Type	Micro Tower
Dimensions (H x W x D)	551 x 342 x 281 mm (22.5 x 14 x 11.5 inch)
Weight	8.3 kg / 18.3 lbs.
Side Panel	3mm Tempered Glass x 1
Color	Black
Material	SPCC
Cooling System (Top)	2 x 140mm CT140 fan (1500rpm)
Expansion Slots	4
Motherboard Compatibility	Mini ITX, Micro ATX
I/O Port	USB 3.2 (Gen 2) Type-C x 1, USB 3.0 x 2, HD Audio x 1
PSU Compatibility	Standard PS2 PSU (optional)
CPU Cooler Height Limitation	210mm
VGA Length Limitation	280mm (With power cover), 400mm (Without power cover)
PSU Length Limitation	220mm

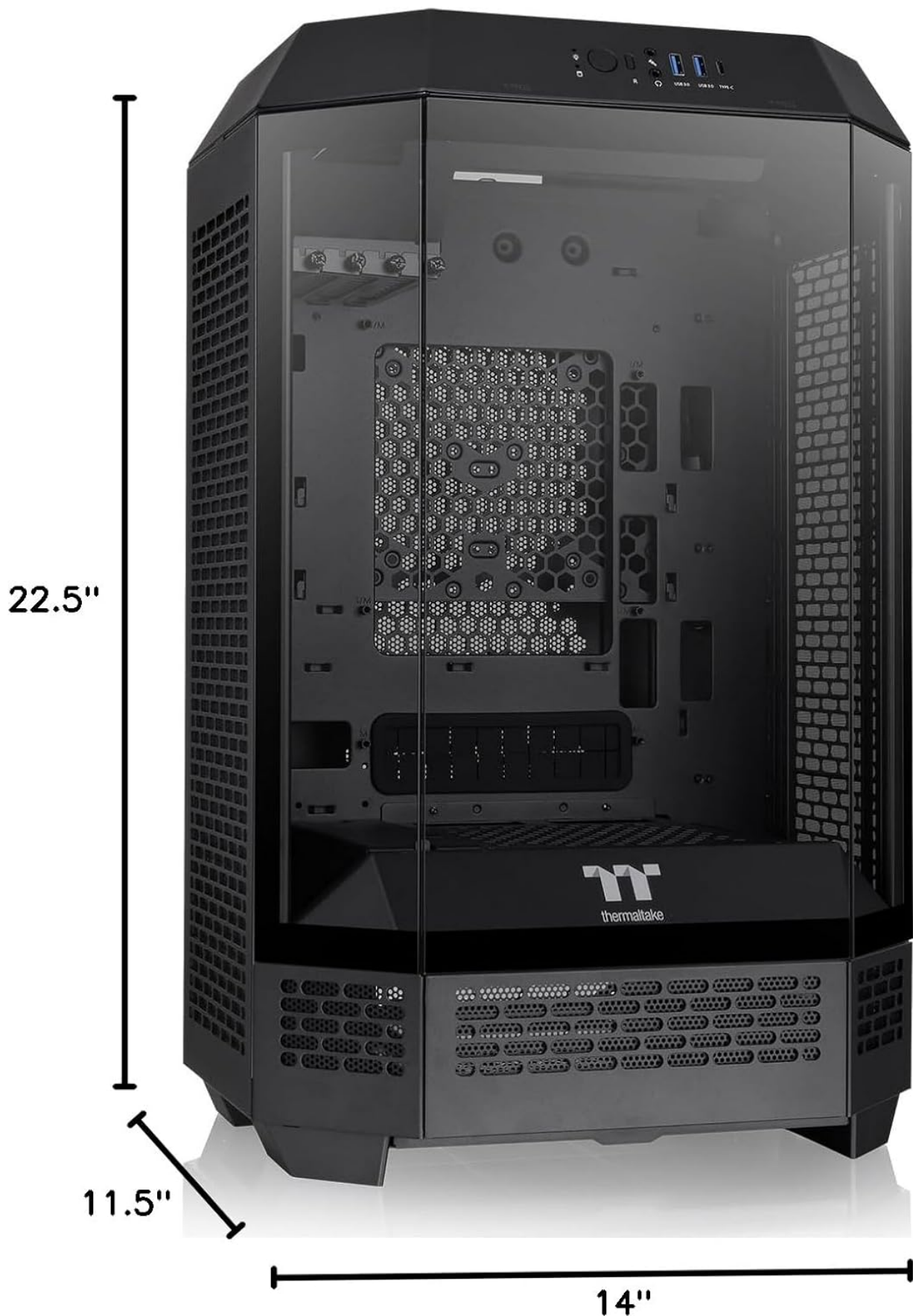


Figure 6: Product dimensions for the Thermaltake Tower 300.

## 7. WARRANTY AND SUPPORT

The Thermaltake Tower 300 Micro-ATX Case comes with a **3 Year Warranty** from the date of purchase, covering manufacturing defects and material flaws under normal use.

For technical support, warranty claims, or additional product information, please visit the official

Thermaltake website or contact their customer service department. Keep your proof of purchase for warranty validation.

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