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› Thermaltake Versa H15 Micro ATX Mini Tower Computer Chassis User Manual

## **Thermaltake CA-1D4-00S1NN-A0**

# **Thermaltake Versa H15 Micro ATX Mini Tower Computer Chassis User Manual**

Model: CA-1D4-00S1NN-A0

## **INTRODUCTION**

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The Thermaltake Versa H15 micro case is designed for home-computer builders and gamers, providing ample space for high-end hardware and expansion. This chassis features extensive ventilation options, a cleanable air filter, and a perforated mesh bezel to ensure optimal cooling and a dust-free environment. The Versa H15 combines a manageable frame size with comprehensive options for customizing your computer or gaming system.



Figure 1: Front view of the Thermaltake Versa H15 Micro ATX Mini Tower Computer Chassis.

## SETUP AND INSTALLATION

This section provides guidance for setting up your Thermaltake Versa H15 chassis, including component installation and cable management.

### Motherboard Compatibility

- Supports Mini ITX motherboards (6.7" x 6.7").
- Supports Micro ATX motherboards (9.6" x 9.6"). Note: Micro ATX motherboards are supported only when the 5.25" DVD ROM drive is not installed.

## Drive Bay Configuration

- **Accessible Drive Bays:** One (1) 5.25-inch bay for optical drives.
- **Hidden Drive Bays:** Three (3) bays for 3.5-inch or 2.5-inch drives. The drive cage is easily removable for increased flexibility.

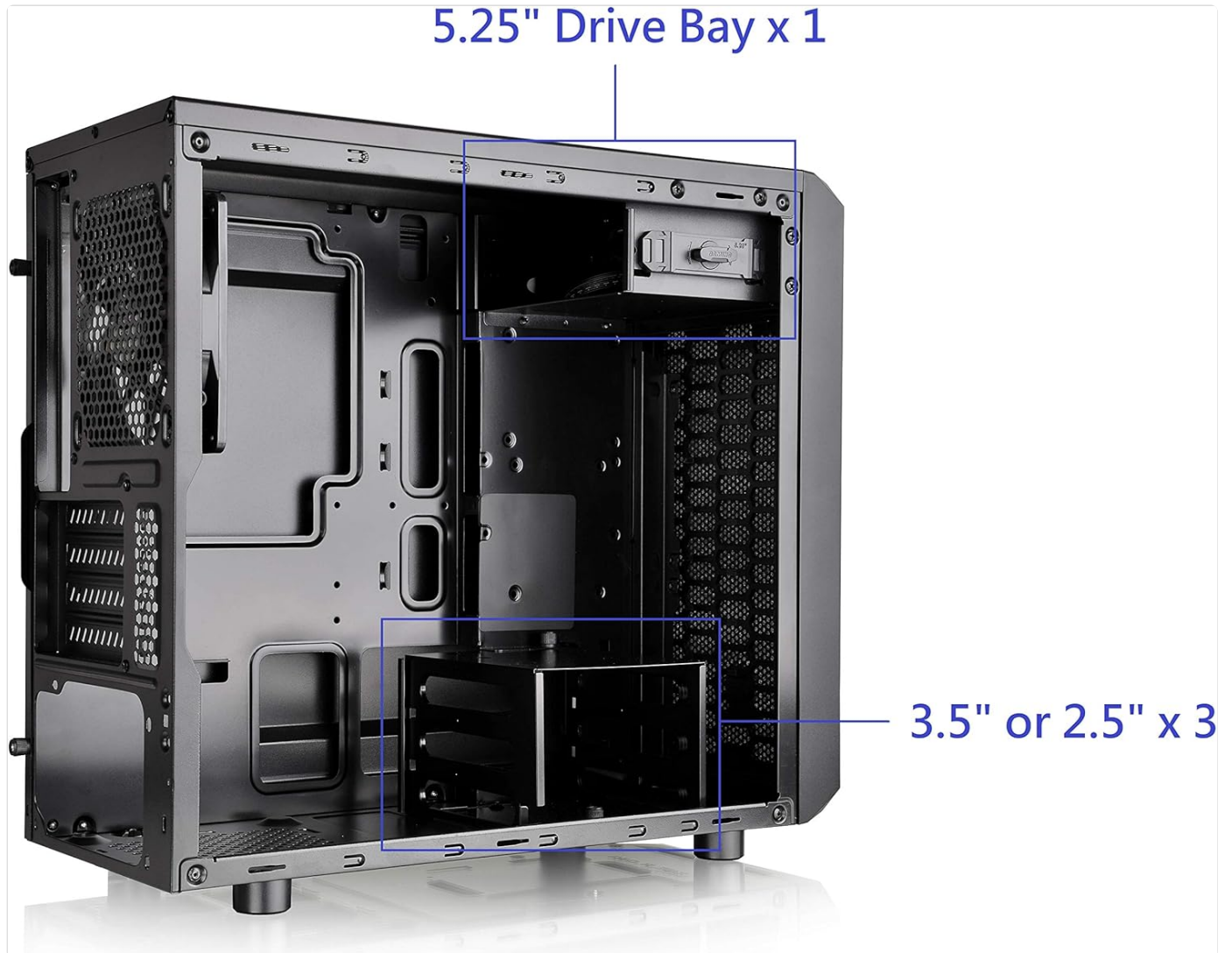


Figure 2: Illustration of the 5.25" and 3.5"/2.5" drive bay locations within the chassis.

## Pre-installed Cooling System

The chassis comes with one (1) 120 x 120 x 25 mm Turbo fan pre-installed at the rear (exhaust) position. This fan operates at 1000rpm with a noise level of 16dBA.

# One 120mm Black Rear Fan Pre-Installed



Figure 3: View of the chassis with the side panel removed, highlighting the pre-installed 120mm rear exhaust fan.

## I/O Port Overview

The front I/O panel provides convenient access to essential ports:

- USB 3.0 x 1
- USB 2.0 x 1
- HD Audio x 1 (for headphone and microphone)



**I/O Port : USB 3.0 x 1  
USB 2.0 x 1  
HD Audio x 1**

Figure 4: Close-up view of the front I/O ports, including USB 3.0, USB 2.0, and HD Audio jacks.

*Note on I/O Port Design:* The power and reset buttons are located in close proximity to the USB ports. Exercise caution when inserting or removing USB devices to avoid accidentally pressing these buttons. For advanced users, consider configuring operating system power options or disconnecting the reset switch header if accidental presses are a concern.

### **Internal Layout and Cable Management**

The Versa H15 chassis is designed with cutouts for cable routing to help maintain a clean interior and improve airflow. A shallow trough at the back of the case helps prevent cables from rubbing against the side panel. While cable management is generally good, non-modular power supply cables may require careful routing, especially if the 3.5" drive cage remains installed.



Front View



Back View



Left View



Right View

Figure 5: Various internal and external views of the Thermaltake Versa H15 chassis, showing cable routing options and component placement areas.

## OPERATING AND PERFORMANCE

This section details the thermal performance and component limitations of the Versa H15 chassis.

### Enhanced Airflow Design

The chassis incorporates several features to enhance airflow and maintain optimal system temperatures:

- **Perforated Top Panel:** Allows for efficient heat exhaust.
- **Heightened Feet Stands:** Elevate the chassis to improve bottom-mounted PSU airflow.
- **Specially Designed Cable Routing Gap:** Minimizes obstruction to internal airflow.



Figure 6: Diagram illustrating the airflow path within the Thermaltake Versa H15 chassis, showing intake and exhaust areas.

## Fan and Radiator Support

The Versa H15 offers flexible cooling options for both air and liquid cooling solutions:

- **Fan Support:**

- Front: 1 x 120mm or 2 x 120mm
- Top: 1 x 120mm or 2 x 120mm
- Rear: 1 x 120mm (pre-installed)

- **Radiator Support:**

- Front: 1 x 120mm or 1 x 240mm
- Top: 1 x 120mm or 1 x 240mm
- Rear: 1 x 120mm

# Fan / Radiator Support Diagram

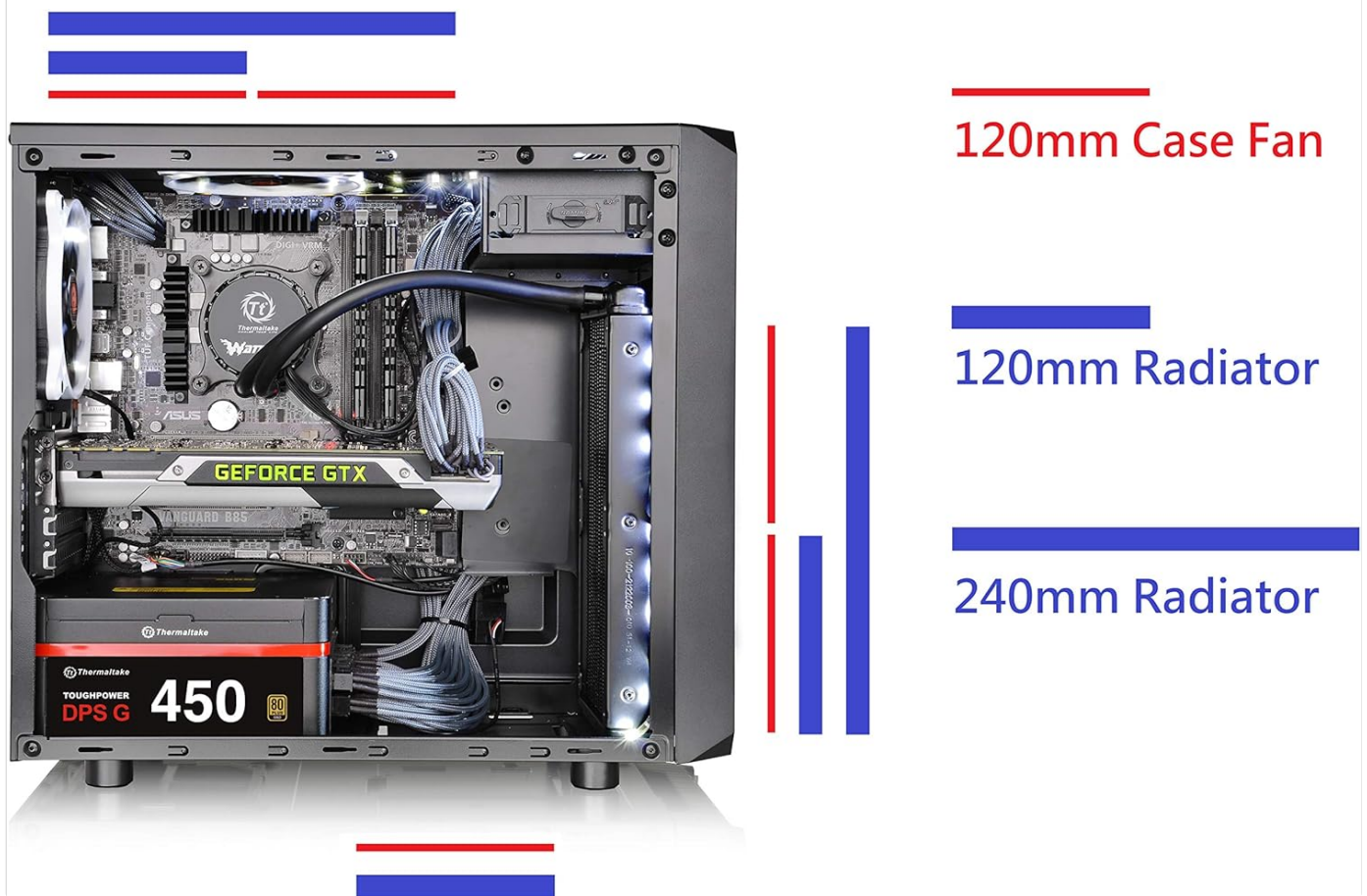


Figure 7: Visual diagram indicating supported fan and radiator sizes and their respective mounting locations within the chassis.

## Component Clearances

- **CPU Cooler Height Limitation:** Maximum 155mm.
- **VGA (Graphics Card) Length Limitation:** Maximum 315mm.
- **PSU (Power Supply Unit):** Supports standard PS2 PSU (optional, not included).

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your chassis.

- **Air Filters:** The chassis features cleanable air filters to prevent dust accumulation. Regularly inspect and clean the filters, especially the front panel filter and the removable filter for the PSU intake.
- **Cleaning the Front Panel Filter:** The front panel filter may require careful removal for cleaning. Refer to the chassis assembly guide for specific instructions on detaching the front panel.
- **General Cleaning:** Use a soft, dry cloth to wipe down the exterior surfaces of the chassis. For internal cleaning, use compressed air to remove dust from fans and components. Ensure the system is powered off and unplugged before performing any internal cleaning.

## TROUBLESHOOTING

This section addresses common issues you might encounter with the chassis.

- **Accidental Power/Reset Button Presses:** Due to the close proximity of the front I/O USB ports to the power and reset buttons, accidental presses can occur.

- **Solution 1:** Exercise caution when plugging or unplugging USB devices.
  - **Solution 2:** Configure your operating system's power settings to ignore physical power button presses.
  - **Solution 3:** If the reset button is not essential for your usage, you may choose not to connect its header to the motherboard.
- **Tight Cable Management with Non-Modular PSUs:** If you are using a non-modular power supply, routing excess cables can be challenging, especially with the 3.5" drive cage installed.
    - **Solution:** Carefully bundle and secure excess cables using zip ties or Velcro straps. Consider removing the 5.25" drive tray if not in use, as this can provide additional space for cable routing.
- **Dust Accumulation:** Despite filters, some dust may accumulate over time.
    - **Solution:** Ensure all fan mounts are populated with fans to create positive or negative pressure, which can help reduce dust ingress. Regularly clean the filters and internal components as described in the Maintenance section.

## SPECIFICATIONS

Feature	Detail
P/N	CA-1D4-00S1NN-00
Series	Versa
Case Type	Micro Case / Mini-Tower
Dimensions (H x W x D)	378 x 198 x 411 mm (15 x 7.8 x 16.2 inch)
Net Weight	3.5 Kg (7.8 lbs)
Side Panel	No Window
Color	Exterior & Interior: Black
Material	SPCC (Steel Plate Cold Rolled) / Alloy Steel
Cooling System (Rear)	1 x 120 x 120 x 25 mm Turbo fan (1000rpm, 16dBA)
Accessible Drive Bays	1 x 5.25"
Hidden Drive Bays	3 x 3.5" or 3 x 2.5"
Expansion Slots	4
Motherboard Compatibility	6.7" x 6.7" (Mini ITX), 9.6" x 9.6" (Micro ATX)
LCS Upgradable	N/A
I/O Port	USB 3.0 x 1, USB 2.0 x 1, HD Audio x 1
PSU Support	Standard PS2 PSU (optional)
CPU Cooler Height Limitation	155mm
VGA Length Limitation	315mm

## WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Thermaltake website or contact their customer

service.

An official User Guide in PDF format is available for download:

[Download User Guide \(PDF\)](#)