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Thermaltake CA-1Q4-00M1WN-00

Thermaltake AH T600 Full Tower Case Instruction Manual

Model: CA-1Q4-00M1WN-00

1. PRODUCT OVERVIEW

The Thermaltake AH T600 is a full-tower chassis designed with a distinctive helicopter-inspired open-frame architecture. It features tempered glass panels for showcasing internal components and offers extensive expandability for high-end PC builds. This manual provides essential information for setting up, operating, and maintaining your AH T600 chassis.



Figure 1: Front-side view of the Thermaltake AH T600 Full Tower Case, showcasing its unique helicopter-inspired design and open frame.

2. SPECIFICATIONS

Feature	Detail
Model	AH T600 (P/N CA-1Q4-00M1WN-00)
Case Type	Full Tower
Dimensions (H x W x D)	628.3 x 337 x 763 mm (27.74 x 13.3 x 30 inch)

Side Panel	5mm Tempered Glass x 2
Front Windows	3mm Tempered Glass x 3
Color	Exterior & Interior Black
Material	SPCC (Steel)
Drive Bays Accessible	2 x 3.5" or 3 x 2.5"
Expansion Slots	8
Motherboard Support	Mini ITX, Micro ATX, ATX, E-ATX (up to 10.5" wide)
I/O Port	1 x Type-C, 2 x USB 3.0, 1 x USB 2.0, 1 x HD Audio
PSU Support	Standard PS2 PSU (optional)
Max CPU Cooler Height	195mm
Max VGA Length	300mm (With Water Pump), 440mm (Without Water Pump)
Max PSU Length	200mm



Figure 2: Detailed dimensions of the Thermaltake AH T600 Full Tower Case, highlighting its height, width, and depth.

3. SETUP AND INSTALLATION

The AH T600 chassis features a highly modular design, allowing for flexible installation of components. It is recommended to plan your build carefully before beginning assembly.

3.1 Preparing the Chassis

Before installing components, ensure the chassis is placed on a stable, flat surface. The tempered glass panels can be swung open for full access to the interior.



Figure 3: Interior view of the AH T600 with components installed, demonstrating the open design and accessibility for building.

3.2 Motherboard Installation

The chassis supports Mini ITX, Micro ATX, ATX, and E-ATX motherboards (up to 10.5 inches wide). Secure your motherboard using the appropriate standoffs and screws.

3.3 Drive Installation

The AH T600 provides accessible drive bays for 2 x 3.5" HDDs or 3 x 2.5" SSDs. The modular design allows for flexible mounting locations for your storage devices.

3.4 Graphics Card Installation

This chassis supports graphics cards up to 440mm in length (without a water pump) or 300mm (with a water pump). It also features patented rotational PCI-E 8 slots for vertical or horizontal GPU mounting, allowing you to showcase your graphics card.



Figure 4: Side view of the AH T600 showcasing a vertically mounted graphics card and custom liquid cooling setup.

3.5 Cooling System Installation

The open-frame design promotes excellent airflow. The chassis supports various fan and radiator configurations:

- **Fan Support:** Front: 4 x 120mm or 3 x 140mm; Top: 3 x 120mm or 2 x 140mm; Right: 3 x 120mm or 2 x 140mm.
- **Radiator Support:** Front: 1 x 480mm or 1 x 420mm; Top: 1 x 360mm or 1 x 280mm; Right: 1 x 360mm or 1 x 280mm.
- A vertical mounting location is available for additional cooling or a liquid cooling distribution plate.

3.6 Cable Management

Utilize the integrated Velcro tie-down points to ensure clean and efficient cable management, enhancing both aesthetics and airflow.

4. OPERATING THE CHASSIS

Once all components are securely installed and connected, you can power on your system.

4.1 Front I/O Panel

The easily accessible front I/O panel provides convenient connectivity:

- 1 x Type-C USB Port
- 2 x USB 3.0 Ports
- 1 x USB 2.0 Port
- 1 x HD Audio Jack



Figure 5: Top view of the AH T600, highlighting the front I/O panel with USB ports and audio jacks.

4.2 Airflow and Cooling

The open-frame design of the AH T600 is optimized for superior airflow, ensuring your components remain cool even under heavy loads. Proper fan placement is crucial for maximizing cooling efficiency.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your chassis.

5.1 Cleaning

- Use a soft, dry cloth to wipe down the exterior and tempered glass panels.
- For internal cleaning, use compressed air to remove dust from fans, radiators, and components. Ensure the system is powered off before cleaning.

5.2 Tempered Glass Care

While tempered glass is durable, avoid impacts and abrasive cleaners. Use a glass cleaner specifically designed for electronics or a mild soap solution with a microfiber cloth.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

6.1 System Not Powering On

- Verify all power cables are securely connected to the PSU, motherboard, and components.
- Check the front panel power switch connection to the motherboard.

- Ensure the PSU switch is in the 'ON' position.

6.2 Overheating Issues

- Confirm all fans are spinning and properly oriented for optimal airflow (intake/exhaust).
- Clean any dust buildup on fans and radiators.
- Ensure CPU cooler and GPU heatsinks are properly seated and have adequate thermal paste.

6.3 USB Ports Not Functioning

- Check the internal USB headers on the motherboard are correctly connected from the front I/O panel.
- Ensure motherboard drivers are up to date.

7. WARRANTY AND SUPPORT

The Thermaltake AH T600 Full Tower Case comes with a **3-Year Warranty** from the date of purchase. For technical support, troubleshooting assistance, or warranty claims, please visit the official Thermaltake website or contact customer support directly.

Official User Manual (PDF): [Download Here](#)

Customer Support: [Amazon Customer Service](#) (for purchase-related inquiries)

8. PRODUCT VIDEO OVERVIEW

Watch the official product video for a visual guide to the Thermaltake AH T600 Full Tower Case's features and design.

Your browser does not support the video tag.

Video: An overview of the Thermaltake AH T600 Full Tower Case, detailing its unique design, tempered glass panels, and spacious interior for PC building.

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