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COUGAR CONQUER

COUGAR CONQUER ATX Gaming Case User Manual

Model: CONQUER

1. Introduction

The COUGAR CONQUER ATX Gaming Case is an innovative open-frame PC chassis designed for enthusiasts seeking superior expandability and cooling performance. Its unique aluminum alloy frame and tempered glass panels offer a stylish and functional foundation for high-end gaming systems.

2. Key Features

- Case Form Factor: Mid-Tower
- Motherboard Support: Mini ITX/MicroATX/ATX
- I/O Panel: USB3.0 x 2, Mic x 1 , Audio x 1
- Fan Pre-installed: COUGAR CFD 120mm LED fan x 3
- 3 x 3.5" Drive Bay, 4 x 2.5" Drive Bay
- Unique Aluminum Framing + Immaculate Tempered Glass
- Superior Expandability for full-size graphics cards up to 350mm
- Extremely Cooling Performance with support for 360mm water cooling radiator at top and 240mm at front.

3. Specifications

Feature	Detail
Case Form Factor	Mid Tower
Material	Aluminum Alloy
Dimension (WxHxD)	255 x 580 x 685 (mm) / 10.03 x 22.83 x 26.96 (Inch)
Motherboard Support	Mini ITX / MicroATX / ATX
3.5" Drive Bay	3 max.

2.5" Drive Bay	4 max.
I/O Panel	USB3.0 x 2, Mic x 1 , Audio x 1
Cooling Fan Support (Front)	120mm x 2
Cooling Fan Support (Top)	120mm x 3
Water Cooling Support (Front)	240mm
Water Cooling Support (Top)	360 mm
Fan Pre-installed	COUGAR CFD 120mm LED fan x 3
Cable Management	Yes
Expansion Slots	7
Max. Graphic Cards Length	350 (mm) / 13.77 (Inch)
Max. CPU Cooler Height	190 (mm) / 7.48 (Inch)
Max. PSU Length	220 (mm) / 8.66 (Inch)
Tempered Glass Side Panel	Both sides 5mm thick

Note: Specifications are subject to change without prior notice.

4. Product Overview



Figure 4.1: Front-left view of the COUGAR CONQUER ATX Gaming Case, showcasing its unique open-frame design and tempered glass side panel.



Figure 4.2: Front-right view of the COUGAR CONQUER ATX Gaming Case, highlighting the angular design and the second tempered glass panel.



Figure 4.3: Internal view of the COUGAR CONQUER ATX Gaming Case, demonstrating space for components and custom water cooling loops.



Figure 4.4: Top-down view of the COUGAR CONQUER ATX Gaming Case, showing the front I/O panel with USB 3.0 ports, audio jacks, and power/reset buttons.



Figure 4.5: A detailed table outlining the key specifications of the COUGAR CONQUER ATX Gaming Case, including dimensions, drive bays, and cooling support.

5. Setup Guide

5.1 Unpacking and Inspection

Carefully remove the COUGAR CONQUER case from its packaging. Inspect for any signs of damage during transit. Retain all packaging materials for future transport or return.

5.2 Component Installation

1. **Motherboard Installation:** Secure your ATX, MicroATX, or Mini ITX motherboard to the standoffs provided. Ensure proper alignment with the I/O shield.
2. **Power Supply Unit (PSU) Installation:** Install your PSU in the designated area. Note that due to the unique design, longer PSU cables or extensions may be required for optimal cable management and reach to the

motherboard.

3. **Storage Drive Installation:** Install 3.5" HDDs and 2.5" SSDs into their respective drive bays. Some 2.5" drive bays may require installation before the motherboard is fully secured.
4. **Graphics Card Installation:** Install your graphics card(s) into the PCIe slots. The case supports full-size graphics cards up to 350mm.
5. **Cooling System Installation:**
    - **Fans:** The case comes with three pre-installed COUGAR CFD 120mm LED fans. Additional 120mm fans can be installed at the front (2x) and top (3x).
    - **Water Cooling:** The case supports a 240mm water cooling radiator at the front and a 360mm water cooling radiator at the top. Ensure proper mounting and tube routing.
6. **Cable Management:** Utilize the provided cable management features to route and secure cables behind the motherboard tray. This is crucial for maintaining airflow and the aesthetic appeal through the tempered glass panels.

6. Operating Instructions

6.1 Powering On

Once all components are securely installed and cables connected, connect the power cable to your PSU and a wall outlet. Press the power button located on the front I/O panel to start your system.

6.2 Front I/O Panel Usage

- **USB 3.0 Ports (x2):** Connect USB 3.0 compatible devices for high-speed data transfer.
- **Microphone Jack (x1):** Connect your microphone.
- **Audio Jack (x1):** Connect your headphones or speakers.
- **Power Button:** Initiates system startup or shutdown.
- **Reset Button:** Restarts the system.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your COUGAR CONQUER case and its components.

- **Dust Cleaning:** Due to its open-frame design, the case may accumulate dust more readily. Regularly use compressed air to clean fans, radiators, and internal components.
- **Tempered Glass Cleaning:** Use a soft, lint-free cloth and a non-abrasive glass cleaner to wipe the tempered glass panels. Avoid harsh chemicals that may damage the glass or coatings.
- **Cable Management Check:** Periodically check cable routing to ensure no cables are obstructing airflow or fan operation.
- **Fan Inspection:** Ensure all fans are spinning freely and quietly. Clean fan blades if dust buildup is observed.

8. Troubleshooting

8.1 System Does Not Power On

- Verify that the PSU is properly connected to the wall outlet and the PSU switch is in the 'ON' position.
- Check all internal power connections, including the 24-pin ATX power connector to the motherboard and CPU power connector.

- Ensure the front panel power switch cable is correctly connected to the motherboard's front panel header.

8.2 Fans Not Spinning

- Confirm that fan power cables are securely connected to the motherboard or fan controller.
- Check BIOS/UEFI settings to ensure fan control settings are not preventing them from spinning.

8.3 Poor Airflow/High Temperatures

- Ensure fans are installed in the correct orientation (intake/exhaust) for optimal airflow.
- Clean any dust buildup on fans and radiators.
- Verify that cable management is not obstructing airflow paths.

9. Warranty and Support

The COUGAR CONQUER ATX Gaming Case is covered by a manufacturer's warranty. For detailed warranty terms, conditions, and support, please refer to the official COUGAR website or contact their customer service directly. Keep your proof of purchase for warranty claims.
For further assistance, visit the official COUGAR website:www.cougargaming.com

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