aigo AZ300

aigo AZ300 Mid Tower Computer Case User Manual

Model: AZ300

1. INTRODUCTION

Thank you for choosing the aigo AZ300 Mid Tower Computer Case. This manual provides detailed instructions for the installation, operation, and maintenance of your new computer case. Please read this manual thoroughly before beginning installation to ensure proper setup and safe use.
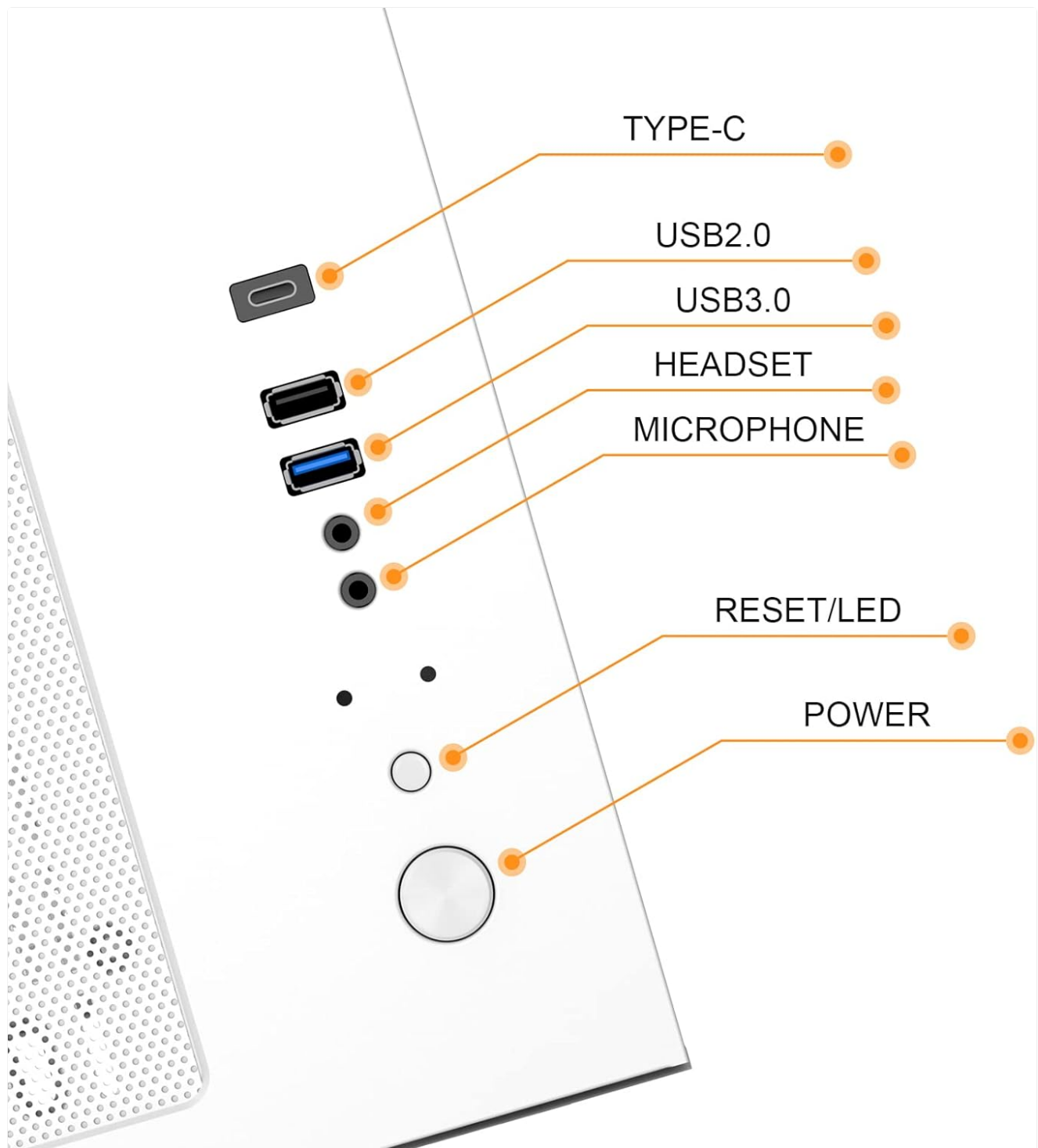
Figure 1: aigo AZ300 Mid Tower Computer Case (White)

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before installing or servicing any components inside the case.

- Handle tempered glass panels with care. They are fragile and can break if dropped or subjected to impact.

- Avoid placing the case in areas with high humidity, extreme temperatures, or direct sunlight.

- Keep small parts and screws away from children.

- Ensure proper grounding to prevent electrical hazards.

3. PRODUCT OVERVIEW

3.1 Front I/O Panel

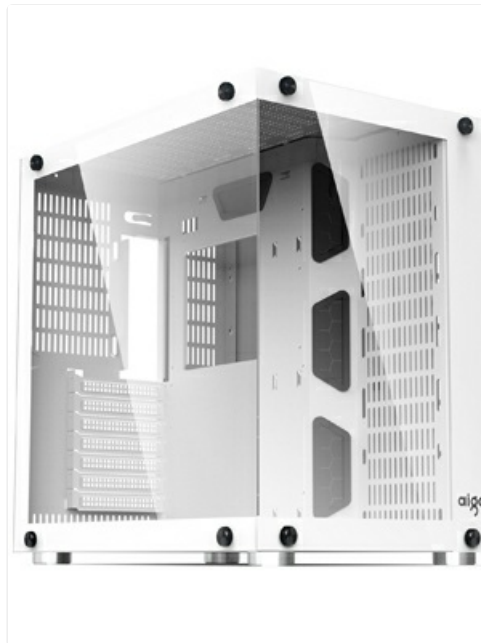The front I/O panel provides convenient access to essential ports and controls.

Figure 2: Front I/O Panel Layout

- **Type-C Port:** 1x USB Type-C port for modern connectivity.
- **USB 2.0 Port:** 1x USB 2.0 port for peripheral connections.
- **USB 3.0 Port:** 1x USB 3.0 port for high-speed data transfer.
- **HD Audio (Headset/Microphone):** Separate jacks for audio output and microphone input.
- **Reset/LED Button:** Resets the system or controls LED lighting (if applicable).
- **Power Button:** Turns the computer on or off.

3.2 Internal Layout and Component Compatibility

The aigo AZ300 case offers a spacious interior designed for various component sizes and efficient cooling.
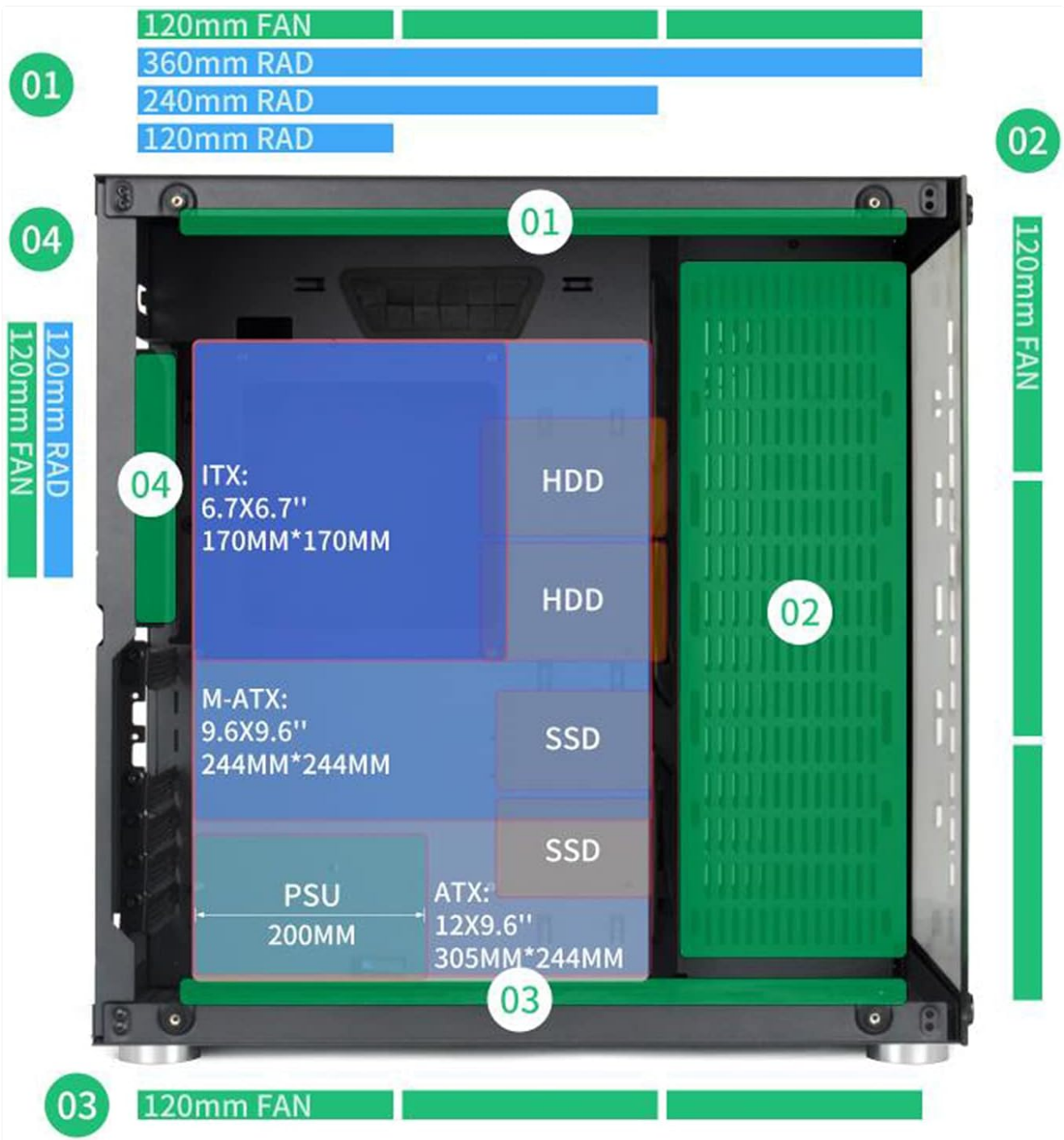
Figure 3: Internal Component and Cooling Layout

- **Motherboard Compatibility:** Supports ATX, Micro-ATX, and ITX motherboards.
- **Storage Drive Bays:** 2x 2.5" SSD bays and 2x 3.5" HDD bays.
- **GPU Length:** Maximum GPU length of 400mm.
- **PSU Length:** Supports standard ATX power supplies up to 200mm.

4. INSTALLATION GUIDE

4.1 Preparing the Case

1. Place the case on a flat, stable surface.
2. Carefully remove the tempered glass side panels by unscrewing the thumb screws at each corner. Set the panels aside in a safe place.
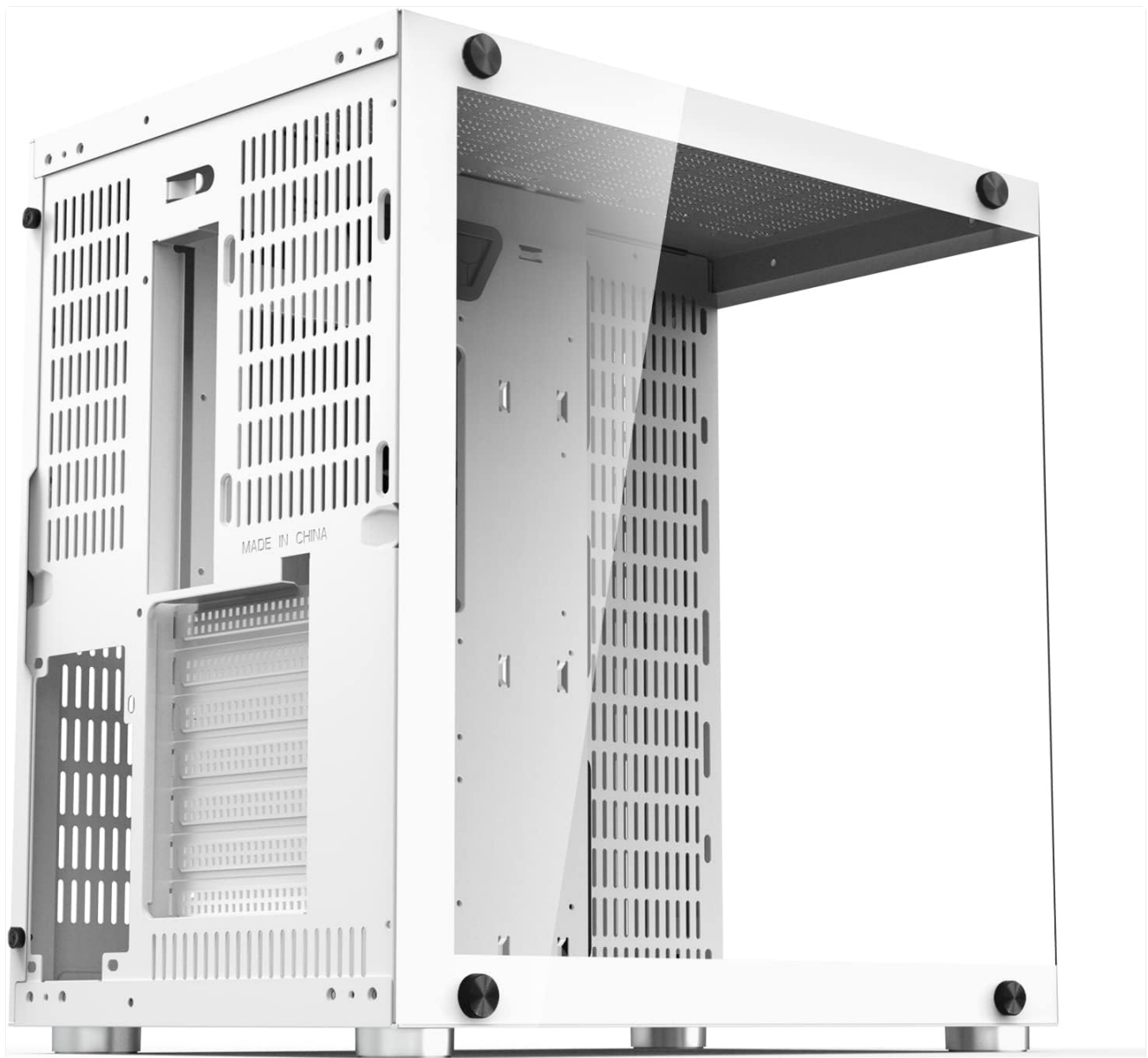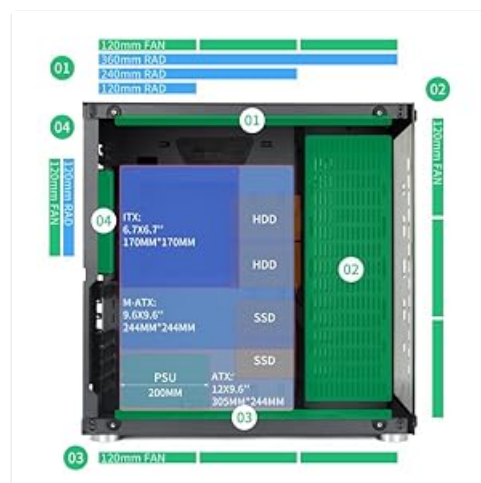
Figure 4: Rear-Side View of Case

4.2 Motherboard Installation

1. Install the I/O shield (if not pre-installed) into the rear opening of the case.

2. Align your ATX, Micro-ATX, or ITX motherboard with the standoffs inside the case. Ensure all standoffs match the motherboard's mounting holes.

3. Secure the motherboard with the provided screws.

4.3 Power Supply Unit (PSU) Installation

1. Locate the PSU mounting area at the bottom rear of the case.
2. Slide your ATX power supply into the designated slot.
3. Secure the PSU to the case with screws from the rear.

4.4 Storage Drive Installation

1. **2.5" SSDs:** Mount SSDs to the dedicated 2.5" bays, typically located behind the motherboard tray or in specific drive cages.
2. **3.5" HDDs:** Install HDDs into the 3.5" drive cages, usually found at the bottom front of the case.
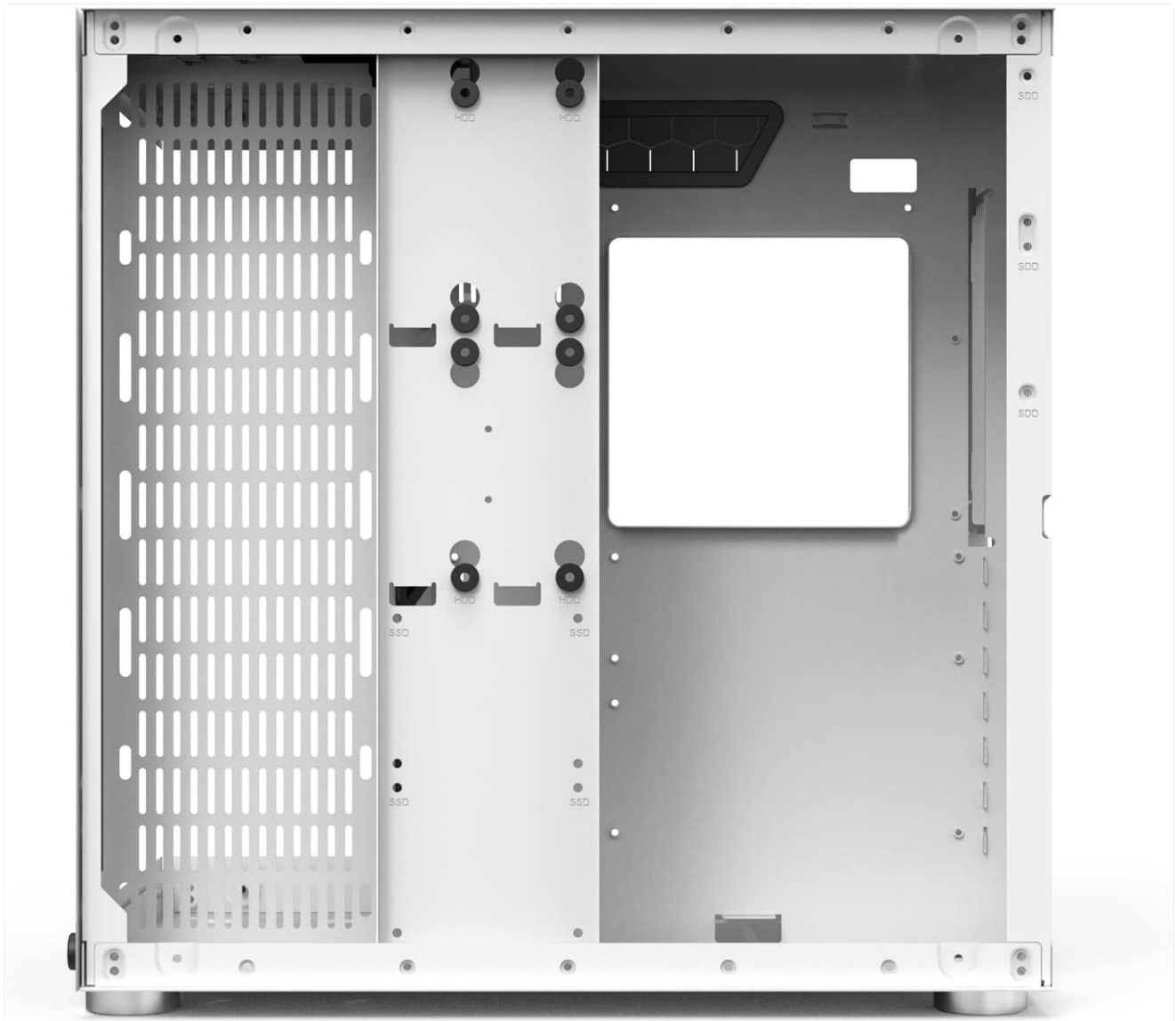3. Secure all drives with the appropriate screws.

Figure 6: Rear Internal View with Drive Bays

4.5 Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your graphics card or other expansion cards into the appropriate PCIe slots on the motherboard.
3. Secure the cards with screws.

4.6 Cooling System Installation

The aigo AZ300 supports flexible cooling configurations.

- **Fan Support:** Multiple 120mm fan mounting points are available at the top, front, and rear.
- **Radiator Support:** Supports water coolers with radiators of 360mm, 240mm, and 120mm in designated areas.

4.7 Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables for improved airflow and aesthetics.

5. OPERATION

After all components are installed and connected, reattach the tempered glass side panels. Connect your peripherals, monitor, and power cable. Press the power button on the front I/O panel to start your system.
Use the USB ports (Type-C, USB 2.0, USB 3.0) for connecting external devices. The HD Audio jacks are for headphones and microphones.

6. MAINTENANCE

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

6.1 Dust Filter Cleaning

The aigo AZ300 case is equipped with dust filters to prevent dust buildup. Clean these filters periodically.

- **Top Magnetic Dust Filter:** Gently lift and remove the magnetic dust filter from the top panel. Clean it with compressed air or rinse with water (ensure it's completely dry before reattaching).
- **PSU Dust Filter:** The dust filter for the power supply is located at the bottom of the case. Slide it out for cleaning.
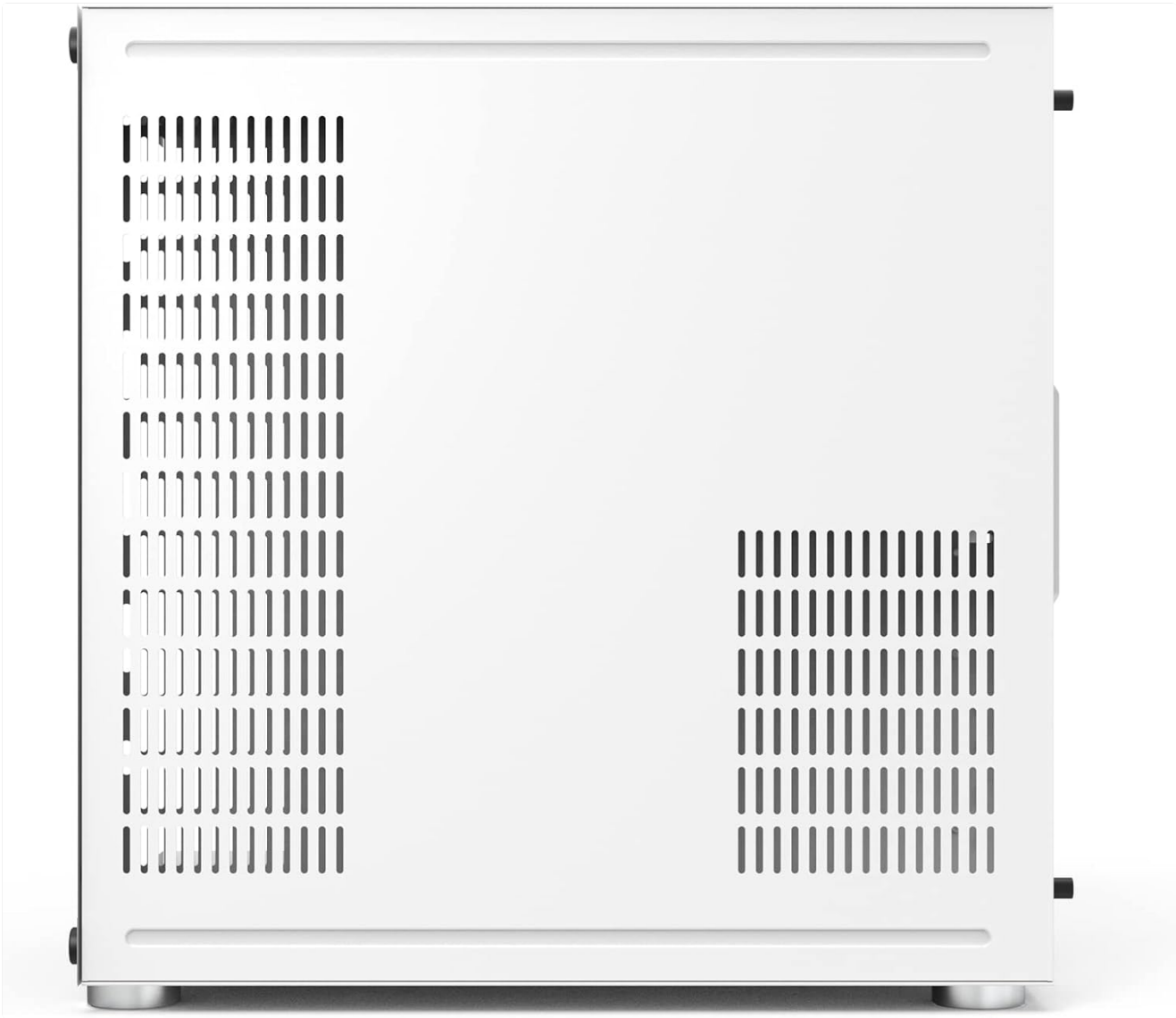
Figure 7: Side Panel and Bottom Dust Filter Location

7. TROUBLESHOOTING

- **System not powering on:** Ensure all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected. Check that the power supply switch is in the 'ON' position. Verify front panel power button connection to the motherboard.
- **No display:** Confirm the monitor is connected to the graphics card (not the motherboard integrated graphics, unless no dedicated GPU is present). Reseat the graphics card and RAM modules.
- **Overheating:** Ensure all case fans are spinning and oriented correctly for airflow (intake/exhaust). Clean dust filters and internal components. Verify CPU cooler installation.
- **USB ports not working:** Check that the USB headers from the front panel are correctly connected to the motherboard.

8. SPECIFICATIONS

Feature	Specification
Model Name	AZ300

Feature	Specification
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro ATX, ITX
Material	Alloy Steel, Tempered Glass
Color	White
Front I/O Ports	1x Type-C, 1x USB 3.0, 1x USB 2.0, 2x HD Audio (Headset/Mic), Power, Reset/LED
Drive Bays	2x 2.5" SSD, 2x 3.5" HDD
Maximum GPU Length	400mm
Power Supply Mounting Type	Bottom Mount
Cooling Method	Air
Fan Size Support	120mm
Radiator Support	360mm, 240mm, 120mm
Item Weight	21 pounds
Package Dimensions	21.25 x 20.25 x 15.75 inches

9. WARRANTY AND SUPPORT

aigo strives to provide excellent customer service. If you encounter any quality issues with your aigo AZ300 computer case, please contact us directly. We will assist you with troubleshooting and resolution.

For support, please refer to the contact information provided with your purchase or visit the official aigo website.