GAMDIAS GD-ATLAS M1

GAMDIAS Atlas M1 Mid Tower Gaming Computer Case

Instruction Manual - Model: GD-ATLAS M1

1. Introduction

The GAMDIAS Atlas M1 Mid Tower Gaming Case is designed to enhance your gaming experience, offering a blend of aesthetic appeal, practical functionality, and robust performance. This case features customizable RGB lighting to create a dynamic gaming environment. It supports ATX, microATX, and mini-ITX motherboards, providing versatility for various system configurations. Engineered for optimal cooling, the Atlas M1 includes ample space for additional fans and radiators to maintain ideal operating temperatures during intensive use. Its tempered glass side panel not only showcases your internal components but also offers durability and facilitates easy access for upgrades and maintenance. The Atlas M1 provides a spacious and efficient housing solution for your gaming rig, making it a key component for any serious gamer's setup.

Figure 1.1: Overview of the GAMDIAS Atlas M1 Gaming Case.

2. Product Features

- **Captivating RGB Lighting:** Experience dynamic gaming atmospheres with customizable RGB lighting options.
- **Broad Compatibility:** Supports ATX, microATX, and mini-ITX motherboards, allowing for diverse system configurations.
- **Optimal Cooling Performance:** Features strategic ventilation and capacity for multiple cooling fans and radiators to

ensure efficient airflow and temperature management.

- **Tempered Glass Side Panel:** A sturdy tempered glass side panel showcases internal components and lighting, adding sophistication and providing easy access.
- **Designed for Gamers:** Spacious interior accommodates large GPUs (up to 410mm) and power supplies (up to 180mm), facilitating neat cable management and enhanced airflow for peak performance.
- **Built-in Display:** Features an embedded monitor for real-time system information, including CPU, GPU, and ambient temperature, adjustable via ZEUS CAST software or I/O port.
- **Concise I/O Design:** Includes one USB 3.2 Gen 2 Type-C port (up to 10 Gbps), a USB 3.0 port, a fan LED control, a monitor mode switch, and an integrated audio jack.
- **Pre-installed Fans:** Comes with three ARGB PWM fans, including two 120mm reverse intake fans on the side and one 120mm fan on the rear exhaust, providing excellent airflow and stunning ARGB visuals.

3. Setup and Installation

3.1. Preparing the Case

Before beginning installation, ensure you have all necessary components and tools. Place the case on a stable, flat surface. Carefully remove the tempered glass side panel by unscrewing the retaining thumbscrews and gently sliding it off.

3.2. Motherboard Installation

The Atlas M1 supports ATX, microATX, and mini-ITX motherboards. Install the necessary standoffs for your motherboard form factor. Carefully align your motherboard with the standoffs and I/O shield, then secure it with screws.

3.3. Power Supply Unit (PSU) Installation

Install your PSU into the designated compartment, typically at the bottom rear of the case. Ensure the fan faces the correct direction for optimal airflow (usually downwards, drawing air from the bottom of the case). Secure the PSU with screws.

3.4. Storage Device Installation

The case supports up to 4x 2.5" drives or 3x 2.5" + 1x 3.5" drives. Locate the drive bays and trays. Mount your SSDs or HDDs onto the appropriate trays and slide them into the bays until they click into place or are secured with screws.

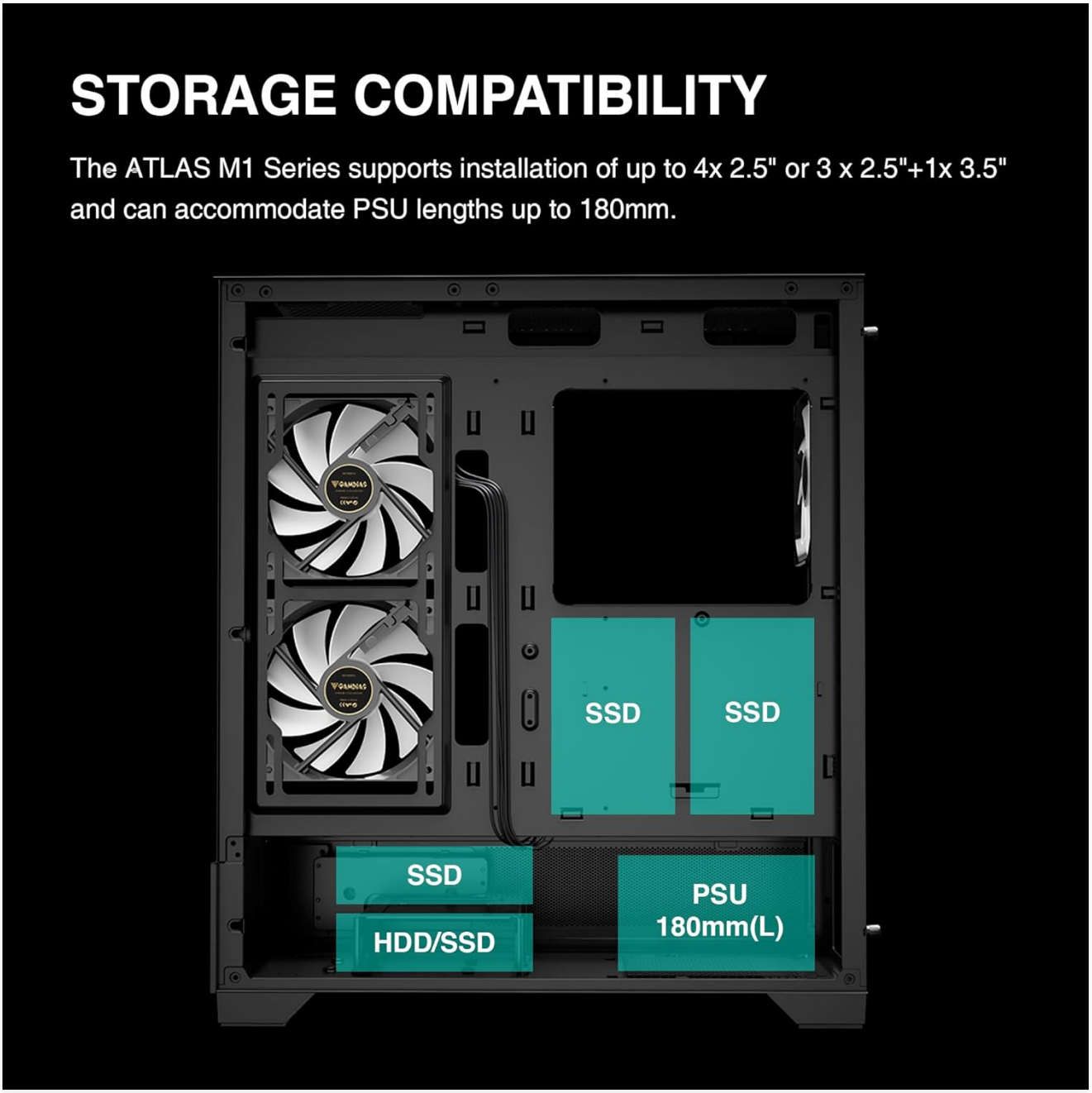

Figure 3.1: Storage device installation locations.

3.5. Graphics Card (GPU) Installation

The Atlas M1 accommodates VGA cards up to 410mm in length. Remove the necessary PCIe slot covers from the rear of the case. Insert your graphics card into the PCIe slot on the motherboard and secure it with the retaining clip and screws.

3.6. CPU Cooler Installation

The case supports air coolers with up to 160mm RAM clearance. Follow the instructions provided with your CPU cooler for proper installation onto the CPU socket. If installing an AIO liquid cooler, refer to the cooling support section.

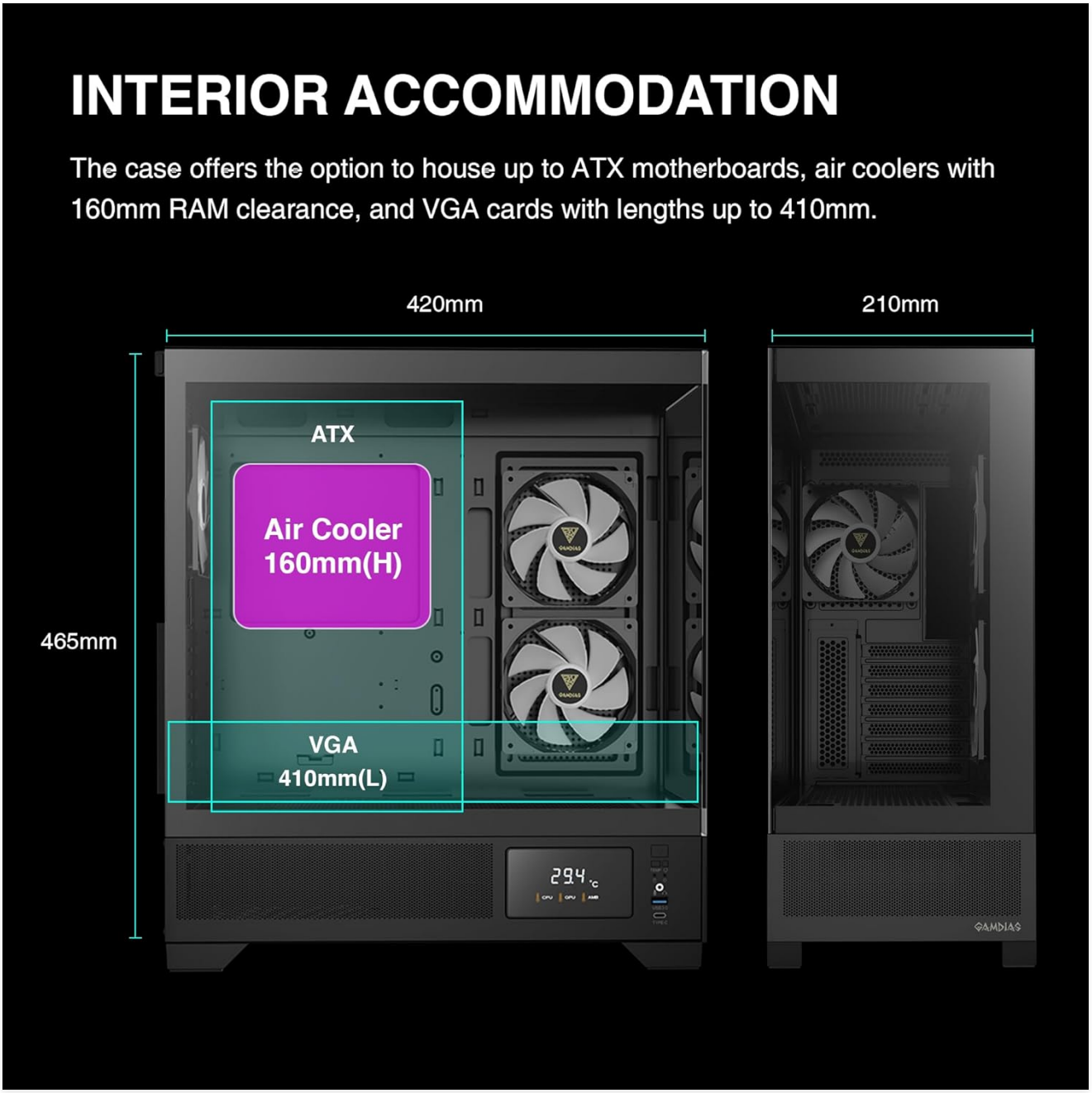

Figure 3.2: Interior accommodation for components.

3.7. Cooling System Installation (Fans/Radiators)

The Atlas M1 can accommodate up to 6 fans and offers flexible options for radiator installation at the top, side, and rear. The case comes with three pre-installed ARGB PWM fans: two 120mm reverse intake fans on the side and one 120mm fan on the rear exhaust.

- **Top Radiator Support:** Up to 360mm or 280mm.
- **Side Radiator Support:** Up to 240mm.
- **Rear Radiator Support:** Up to 120mm.

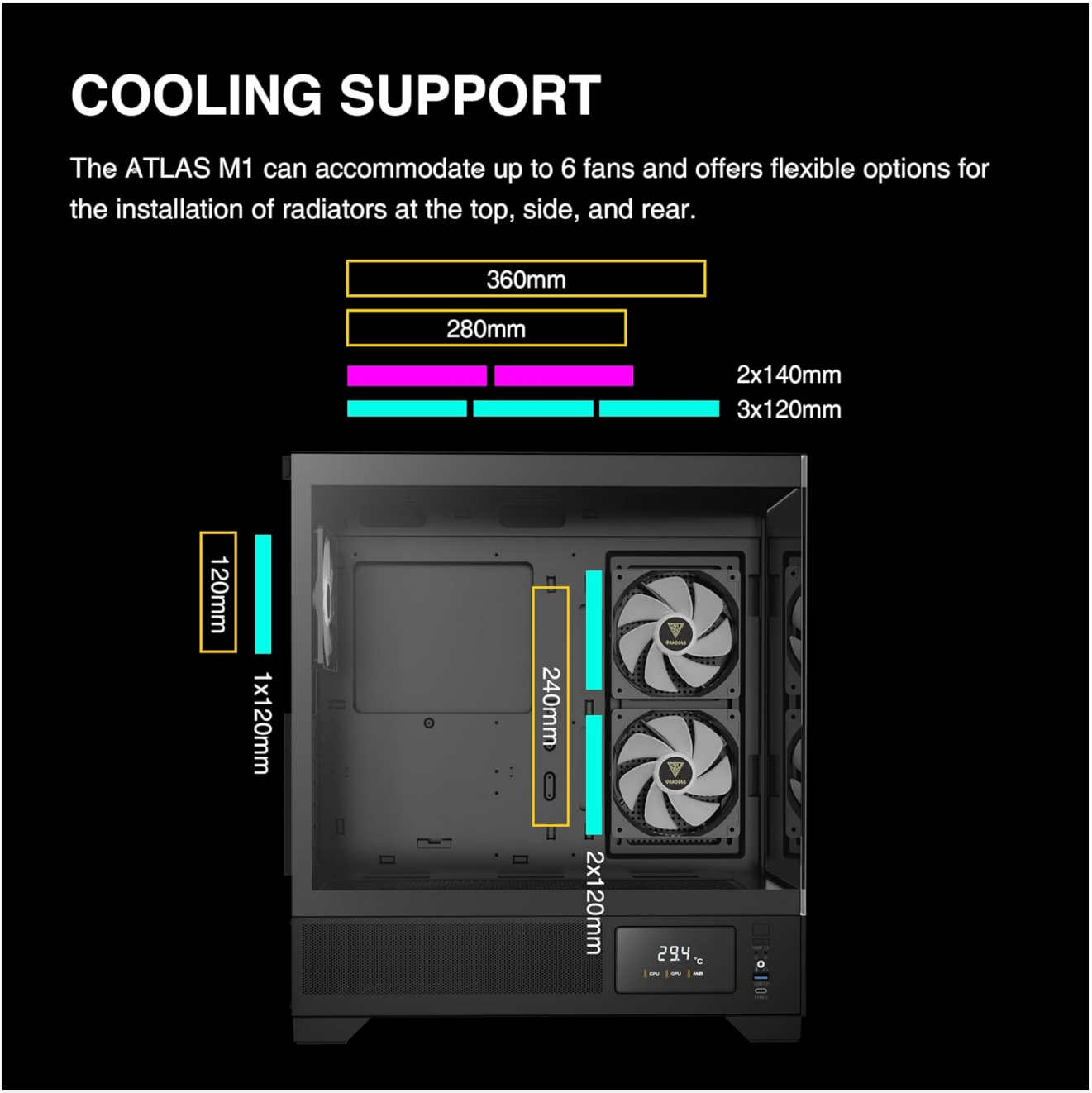

Figure 3.3: Cooling support and radiator placements.

Figure 3.4: Pre-installed ARGB PWM fans.

3.8. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables neatly. This improves airflow and aesthetics.

3.9. Connecting Front I/O Ports

Connect the front panel connectors (USB 3.2 Gen 2 Type-C, USB 3.0, audio, power, reset, LED indicators) to the corresponding headers on your motherboard. Ensure correct polarity for LED and power switch connectors.

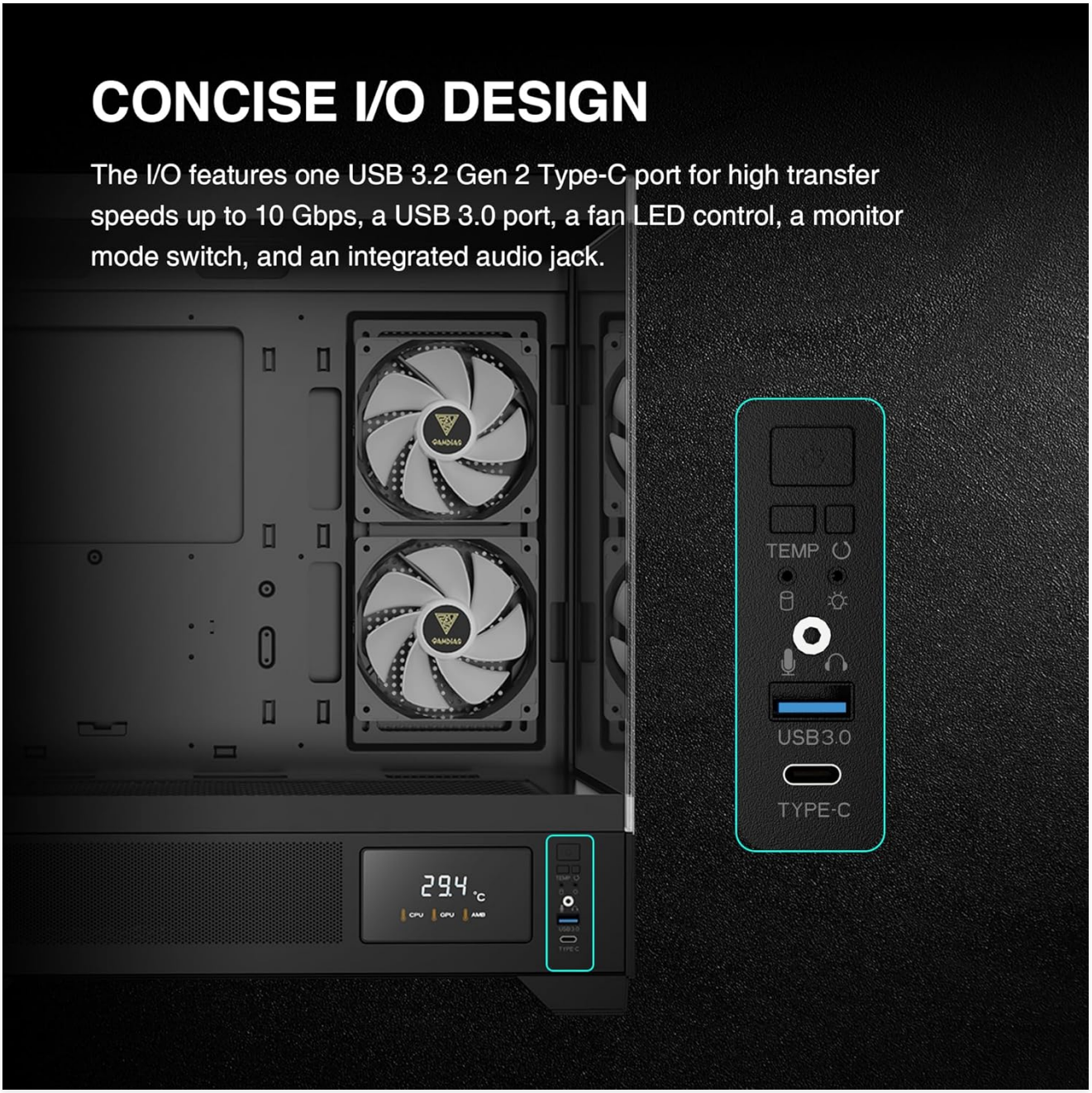

Figure 3.5: Front I/O port details.

4. Operating Instructions

4.1. Powering On

After all components are installed and connected, close the side panel. Connect your power cable to the PSU and a wall outlet. Press the power button on the front panel to start your system.

4.2. Using the Built-in Display

The Atlas M1 features an embedded display that shows real-time system information. You can monitor CPU temperature, GPU temperature, and ambient temperature. The display mode can be switched through the I/O port buttons or adjusted via the ZEUS CAST software.

Figure 4.1: Real-time status monitoring display.

4.3. Controlling RGB Lighting

The pre-installed ARGB PWM fans and other compatible RGB components can be controlled in two ways:

- **Via Motherboard:** If your motherboard supports Addressable RGB (ARGB) synchronization, connect the fan RGB cables to the appropriate motherboard headers and use your motherboard's software to control lighting effects.
- **Via LED Control Button:** Use the dedicated LED control button on the front I/O panel to cycle through various lighting modes and colors.

5. Maintenance

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

- **Dust Cleaning:** Periodically clean dust filters (if present) and internal components using compressed air. Dust accumulation can impede airflow and lead to overheating.
- **Fan Cleaning:** Gently clean fan blades with a soft brush or compressed air to remove dust buildup.
- **Exterior Cleaning:** Wipe the exterior surfaces, including the tempered glass panel, with a soft, damp cloth. Avoid

abrasive cleaners that may scratch the finish.

6. Troubleshooting

This section provides general troubleshooting tips for common issues. For specific component-related problems, refer to their respective manuals.

- **System Not Powering On:**
  - Ensure all power cables (PSU to wall, PSU to motherboard/components) are securely connected.
  - Verify the front panel power switch connector is correctly attached to the motherboard.
  - Check if the PSU switch is in the 'ON' position.
- **Fans Not Spinning or RGB Not Working:**
  - Confirm fan power cables are connected to the motherboard or fan controller.
  - Ensure ARGB cables are properly connected to the motherboard's ARGB header or the case's LED controller.
  - Try cycling through RGB modes using the front panel LED control button.
- **Built-in Display Not Showing Information:**
  - Check the display's internal connection to the motherboard or dedicated controller.
  - Ensure the ZEUS CAST software is installed and running correctly on your operating system.
  - Try switching display modes using the I/O port buttons.
- **Poor Airflow/High Temperatures:**
  - Clean dust filters and fans regularly.
  - Ensure fans are oriented correctly for optimal intake and exhaust.
  - Improve cable management to reduce airflow obstruction.

7. Specifications

Feature	Specification
Model Name	Atlas M1 (GD-ATLAS M1)
Case Type	Mid Tower
Motherboard Compatibility	ATX, microATX, mini-ITX
Dimensions (LxWxH)	16.14 x 9.61 x 17.72 inches (410 x 244 x 450 mm)
Item Weight	17.64 pounds (8 kg)
Material	Metal, Tempered Glass
Color	Black
Pre-installed Fans	3x 120mm ARGB PWM Fans (2x side intake, 1x rear exhaust)
Fan Size Support	120 Millimeters (standard)
Radiator Support	Top: Up to 360mm/280mm; Side: Up to 240mm; Rear: Up to 120mm
Max GPU Length	410mm

Feature	Specification
Max CPU Cooler Height	160mm
Max PSU Length	180mm
Drive Bays	4x 2.5" or 3x 2.5" + 1x 3.5"
Front I/O Ports	1x USB 3.2 Gen 2 Type-C, 1x USB 3.0, Audio In/Out, Fan LED Control, Monitor Mode Switch
Cooling Method	Air
Power Supply Mounting Type	Top Mount

8. Warranty Information

For detailed warranty information regarding your GAMDIAS Atlas M1 Gaming Computer Case, please refer to the official GAMDIAS website or the warranty card included with your product. Warranty terms and conditions may vary by region and retailer.

9. Support

Should you require technical assistance, have questions about installation, or need to report an issue, please contact GAMDIAS customer support through their official website. You can find contact details, FAQs, and additional resources at www.gamdias.com.