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ASUS GT502 Horizon

ASUS TUF Gaming GT502 Horizon ATX Mid-Tower PC Case Instruction Manual

Model: GT502 Horizon | Brand: ASUS

1. Introduction

The ASUS TUF Gaming GT502 Horizon ATX Mid-Tower PC Case is engineered with a dual-chamber design for optimized cooling and features tool-free side panels for ease of access. It offers a panoramic glass view, supporting both aesthetic appeal and functional flexibility for PC builders. This manual provides essential information for setting up, operating, maintaining, and understanding the specifications of your GT502 Horizon PC case.



Figure 1: Front angled view of the ASUS TUF Gaming GT502 Horizon ATX Mid-Tower PC Case.

2. Key Features

- **Boundless Panoramic Design:** Tempered and tinted glass panels at the front and side offer a fully unobstructed view of the main chamber. This design allows for showcasing internal components and custom lighting setups.



Figure 2: Panoramic view of the GT502 Horizon case highlighting the tempered glass panels.

- **Dual-Chamber Chassis:** The GT502 Horizon internals are divided into two chambers, establishing independent cooling zones for the CPU and graphics cards. This separation optimizes thermal performance for critical components.



Figure 3: Illustration of the dual-chamber design for optimized cooling.

- **Front Panel High-Speed USB Type-C:** The front panel features a USB 10 Gbps Type-C port for high-speed data transfer, along with other essential I/O ports.

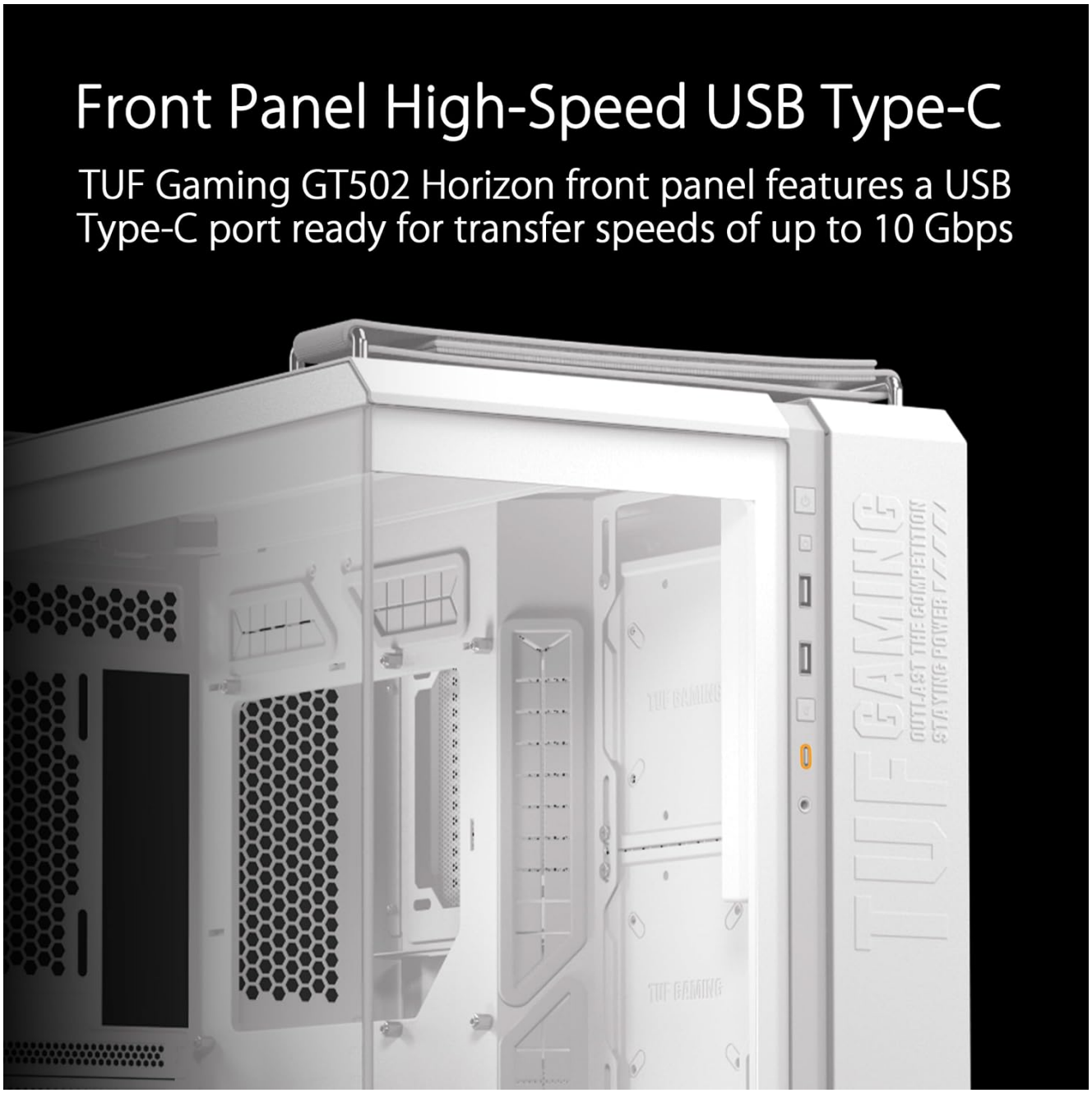


Figure 4: Front panel connectivity including the USB 10 Gbps Type-C port.

- **Tool-Free Side Panels:** Side panels can be easily removed by simply pressing a button hidden on the rear of the chassis, simplifying access for installation and maintenance.



Figure 5: Tool-free side panel mechanism for easy access.

- **Fully Modular Design:** Most panels and mounting components are detachable to streamline hardware installation and allow for extensive customization. This includes removable fan/radiator brackets and drive cages.

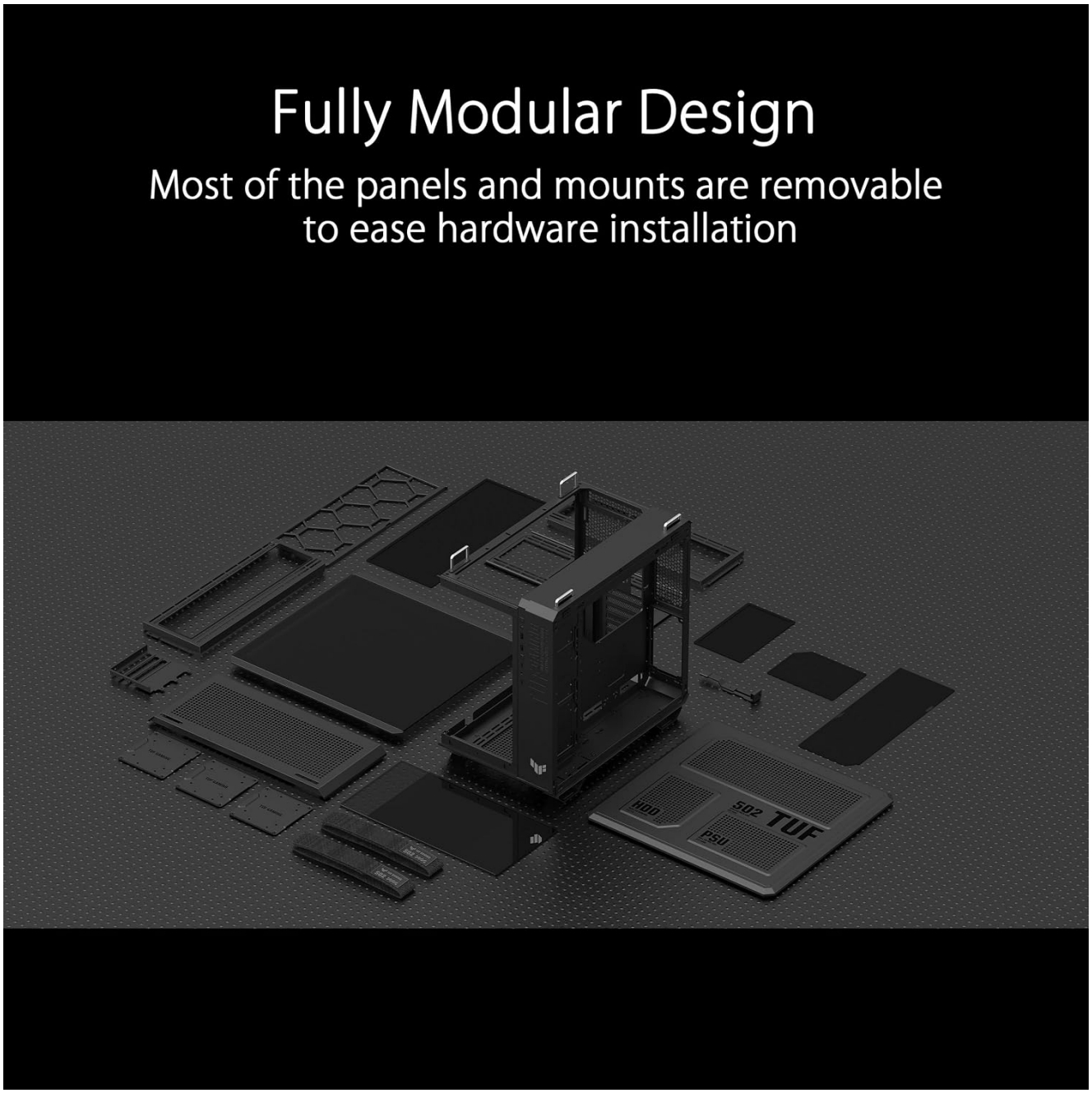


Figure 6: Exploded view illustrating the modular design of the case.

- **TUF Gaming-Style Woven Straps:** Two durable and detachable straps are included, capable of supporting up to 30 kg (66 lbs), making it easier to move the chassis.



Figure 7: Detachable woven straps for convenient chassis transport.

Official Product Video

Video 1: An overview of the ASUS TUF Gaming GT502 Horizon PC case, showcasing its design and key features.

Video 2: A product video demonstrating the ARGB lighting kit compatible with the GT502 Horizon case.

3. Setup

The GT502 Horizon is designed for straightforward assembly. Its modularity and tool-free panels simplify component installation. Follow these general guidelines for setting up your PC within the case:

- **Accessing the Interior:** Remove the side panels by pressing the hidden button at the rear of the chassis. The top panel can also be easily detached for radiator or fan installation.
- **Motherboard Installation:** Install your ATX motherboard into the main chamber. The spacious interior provides ample room for routing cables.
- **GPU Installation:** The case supports both horizontal and vertical GPU mounting. Utilize the included GPU bracket

for stability. The dual-chamber design ensures independent cooling for the graphics card.

- **Power Supply Placement:** The power supply is typically installed in the rear chamber, aiding in cable management and thermal separation.
- **Cable Management:** Utilize the dedicated cable routing channels and tie-down points in the rear chamber to keep your build tidy and optimize airflow.



Figure 8: Internal layout of the GT502 Horizon case.



Figure 9: Rear internal view with cable management features.

4. Operating Instructions

Once your PC is fully assembled, connect all necessary peripherals and power cables. The front panel I/O provides convenient access for daily use:

- **Power Button:** Located on the front panel for system startup and shutdown.
- **USB 10 Gbps Type-C Port:** For high-speed data transfer with compatible devices.
- **USB 3.0 Ports:** For connecting various USB devices.
- **Audio Jacks:** For headphones and microphones.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your PC case:

- **Dust Filters:** The case is equipped with dust filters to prevent dust accumulation. Regularly remove and clean these filters to maintain optimal airflow.
- **Cleaning:** Use a soft, dry cloth to clean the exterior panels, including the tempered glass. For mesh areas, a soft brush or compressed air can be used to remove dust.
- **Internal Cleaning:** Periodically open the side panels and use compressed air to clean dust from internal components and fans.

6. Troubleshooting

If you encounter any issues with your PC case, consider the following:

- **No Power:** Ensure all power cables are securely connected to the power supply, motherboard, and wall outlet. Verify the power supply switch is in the 'on' position.
- **Overheating:** Check that all fans are spinning correctly and dust filters are clean. Ensure proper cable management to avoid obstructing airflow.
- **Component Compatibility:** Verify that all installed components are compatible with the case's dimensions and mounting options.
- **Loose Connections:** Recheck all internal connections, including power cables, data cables, and front panel headers.
- **Contact Support:** If issues persist, refer to the troubleshooting sections of your individual component manuals or contact ASUS customer support.

7. Specifications

Brand	ASUS
Model Name	GT502 Horizon
Case Type	Mid Tower
Motherboard Compatibility	ATX
Color	Black
Material	Plastic, Stainless Steel, Tempered Glass
Item Weight	28.6 pounds (13 Kilograms)
Product Dimensions (LxWxH)	11.2 x 17.6 x 17.7 inches
Number of USB 3.0 Ports	1 (Front Panel USB 10 Gbps Type-C)
Cooling Method	Air, Water
Power Supply Mounting Type	Front Mount

8. Warranty and Support

Warranty information for your ASUS TUF Gaming GT502 Horizon PC Case is typically provided with the product packaging. Please refer to the documentation included with your purchase for specific warranty terms and conditions.

For technical support, driver downloads, and additional product information, please visit the official ASUS support website. You can also find FAQs and community forums there to assist with common queries.

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