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ANIDEES AI Raider XL Full Tower PC Case Instruction Manual

Brand: A ANIDEES | Model: AI Raider XL

1. INTRODUCTION

This document provides comprehensive instructions for the ANIDEES AI Raider XL Full Tower PC Case. It covers essential information regarding the case's features, assembly, operation, and maintenance to ensure optimal performance and longevity. This PC case is designed to accommodate high-performance computing components, offering extensive cooling capabilities and broad compatibility.

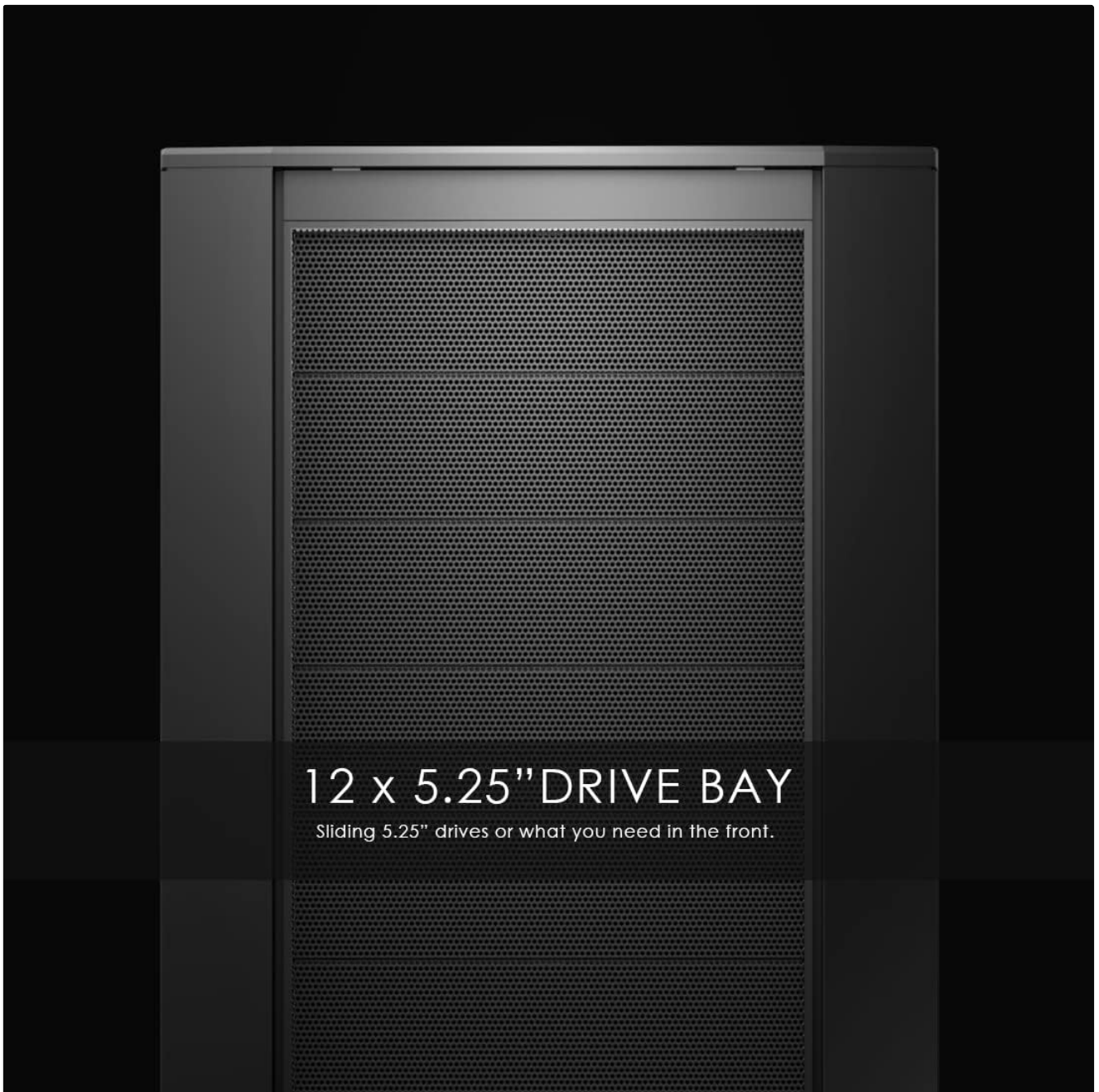


Figure 1: Front view of the ANIDEES AI Raider XL Full Tower PC Case, showcasing its tempered glass side panel and spacious interior.



Figure 2: Internal view of the ANIDEES AI Raider XL PC case, emphasizing its robust 1.0mm steel construction for durability and stability.

2. KEY FEATURES

- **Extensive Drive Bays:** Features 12 x 5.25" drive bays, configurable for 12 x ODD or 12 x HDD/SSD using included 3.5" HDD drive brackets.
- **Superior Airflow:** Designed with a high airflow layout and a steel grill front panel, supporting up to 20 x 120mm fans for optimal air intake.
- **Advanced Water Cooling Support:** Multiple radiator mounting options including top/front support for up to 480mm radiators, side/bottom (on PSU cover) for up to 360mm radiators, and rear support for 140/120mm radiators.
- **Broad Component Compatibility:** Supports HPTX (13.6"x15"), XL-ATX, E-ATX, ATX, m-ATX, and mini-ITX motherboards. Maximum graphics card length of 530mm (20.8 inches), maximum vertical GPU thickness of 49mm (1.93 inches), maximum CPU cooler height of 190mm (7.4 inches), and PSU length up to 300mm (11.8 inches).
- **User-Centric Design:** Includes removable dust filters for easy maintenance, 20-38mm of space behind the motherboard for efficient cable management, and a top-mounted I/O panel with 1x USB-C, 2x USB 3.0, microphone, and 3.5mm audio jack.

MOTHERBOARD Support 13.6"x 15" HPTX MB

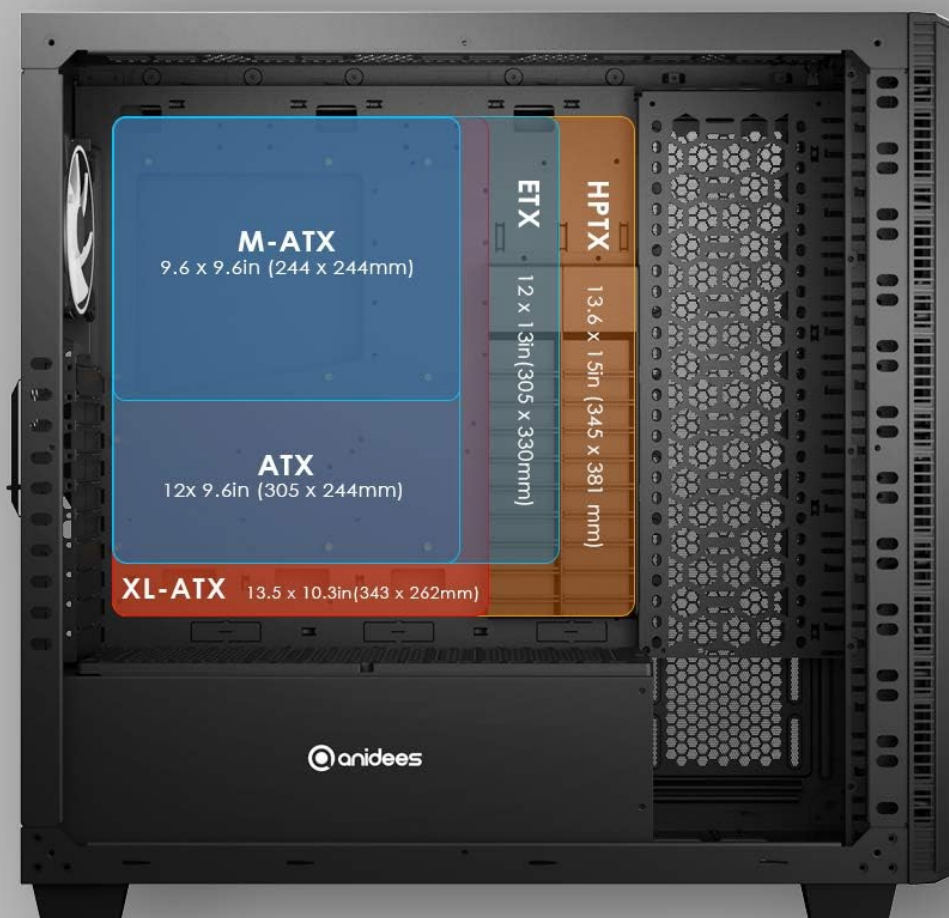


Figure 3: Diagram illustrating the maximum component dimensions supported by the ANIDEES AI Raider XL PC case, including fan, radiator, CPU cooler, GPU, and PSU sizes.

3. SETUP AND INSTALLATION

3.1 Motherboard Installation

The AI Raider XL supports a wide range of motherboard form factors. Ensure your motherboard aligns with the pre-installed standoffs. Additional standoffs may be required for larger motherboards (HPTX, XL-ATX).

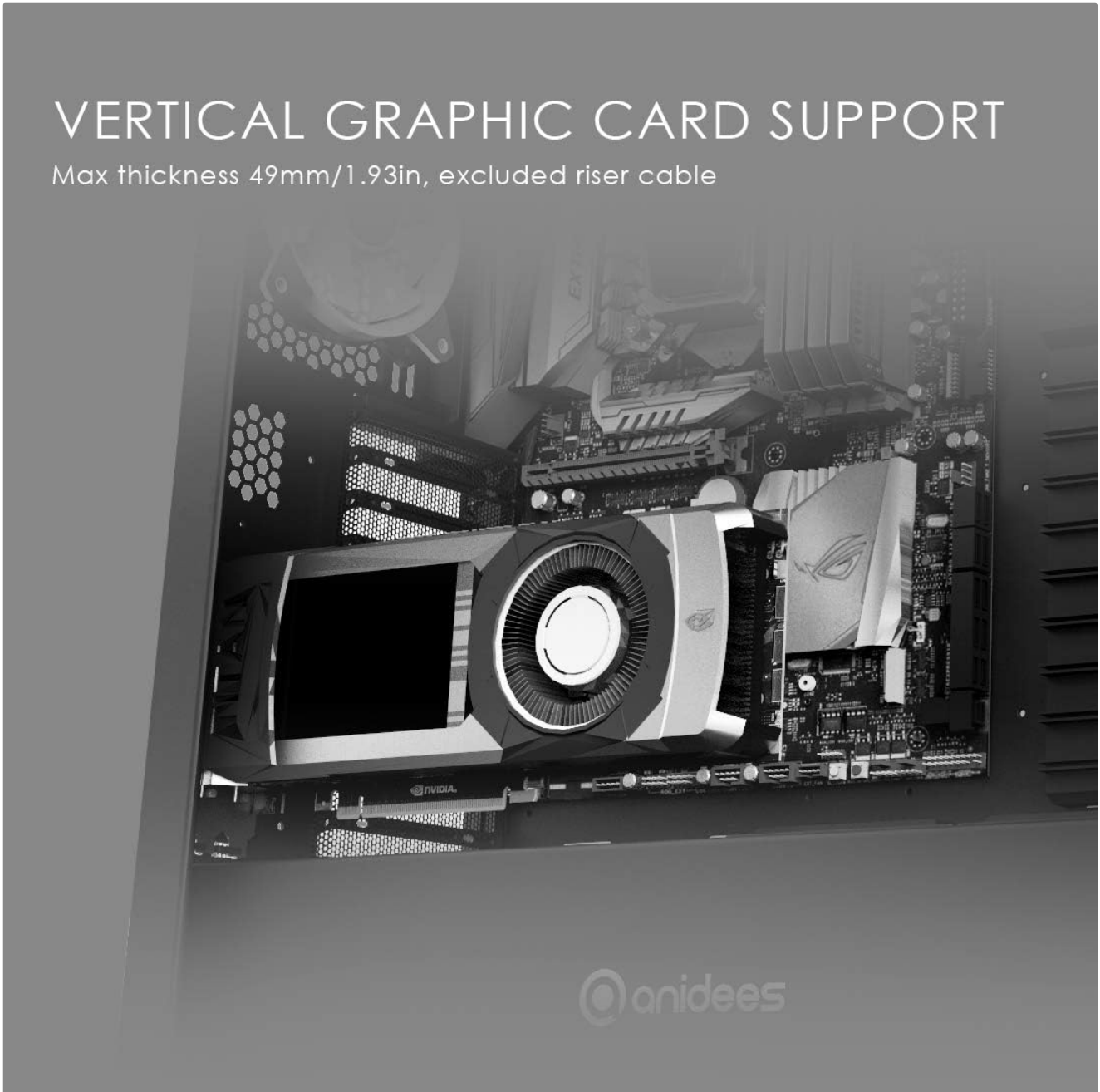


Figure 4: Visual guide detailing the various motherboard sizes (M-ATX, ATX, XL-ATX, E-ATX, HPTX) compatible with the ANIDEES AI Raider XL PC case.

3.2 Drive Bay Configuration

The case features 12 x 5.25" drive bays. Use the provided 3.5" HDD drive brackets to install 3.5" HDDs or 2.5" SSDs into these bays. Brackets are included for flexible storage solutions.

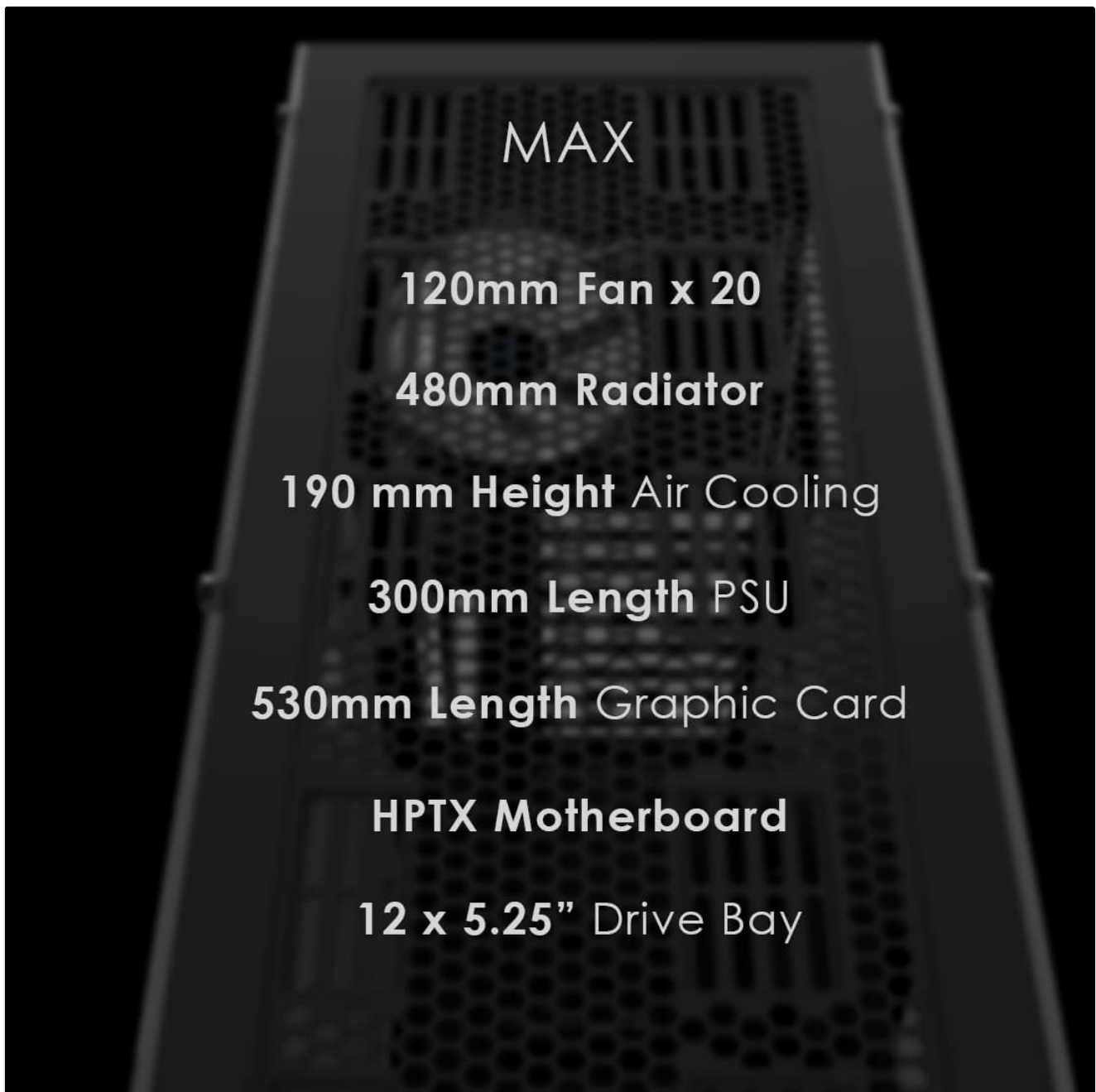


Figure 5: Close-up of the ANIDEES AI Raider XL PC case's front panel, highlighting the 12 x 5.25 inch drive bays for optical drives or storage.

3.3 Cooling System Installation

The AI Raider XL offers extensive cooling options. Install up to 20 x 120mm fans or various radiator sizes as per your cooling requirements. Ensure proper airflow direction for optimal thermal performance.

Liquid Cooling Compatibility

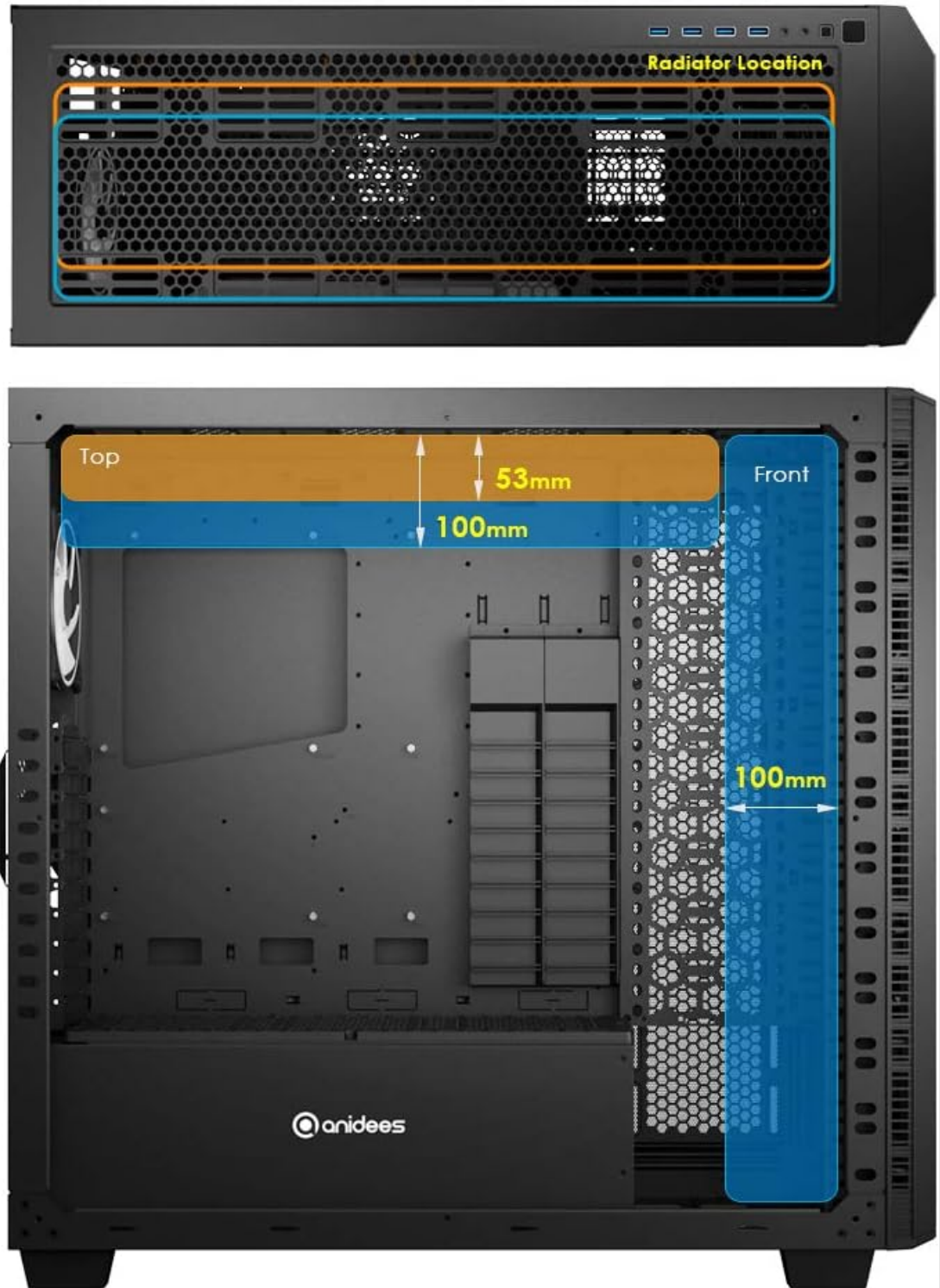


Figure 6: Illustration of the ANIDEES AI Raider XL PC case's internal layout, indicating locations and maximum quantities for 120mm and 140mm fan installations.

CABLE MANAGEMENT

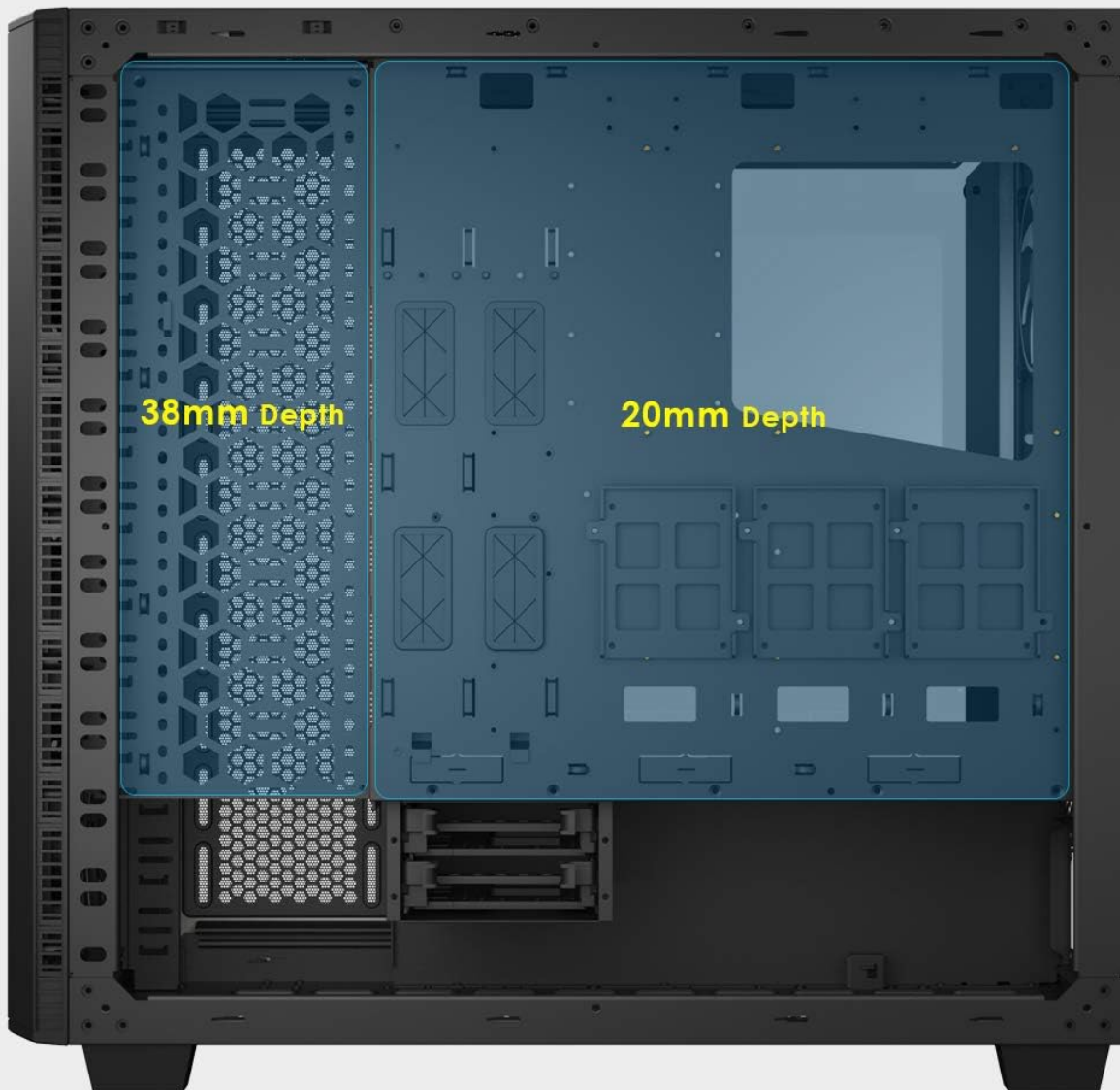


Figure 7: Detailed diagram showcasing the liquid cooling compatibility of the ANIDEES AI Raider XL PC case, with radiator locations and clearance measurements for top and front mounts.

3.4 Graphics Card and Power Supply Installation

Install your graphics card, ensuring it fits within the maximum length and vertical thickness specifications. The power supply mounts at the rear, with ample space for units up to 300mm.

MAX 120mm FAN x 20

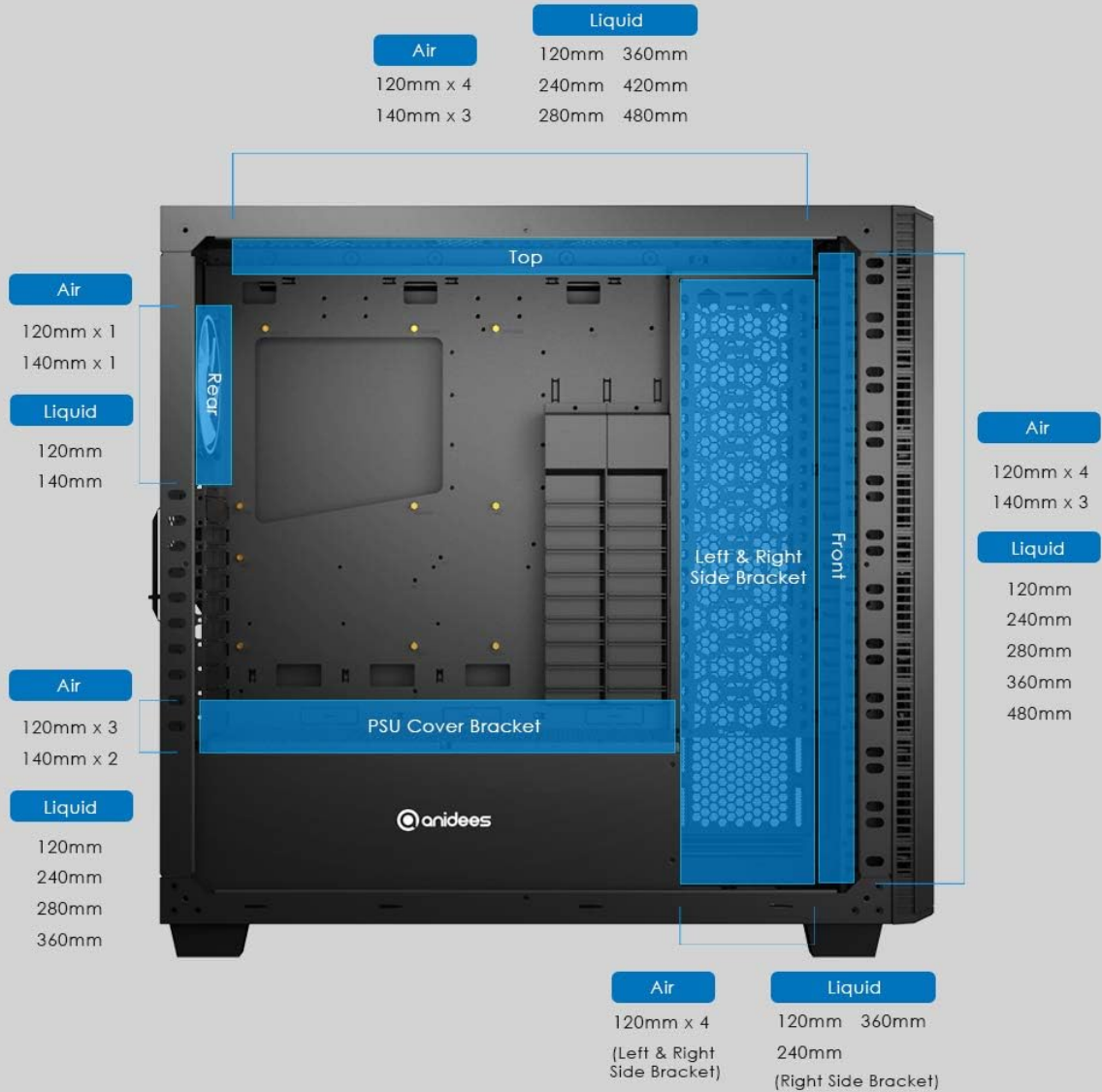


Figure 8: Image demonstrating the vertical graphics card support feature in the ANIDEES AI Raider XL PC case, indicating maximum thickness.



Figure 9: Diagram illustrating the power supply compatibility of the ANIDEES AI Raider XL PC case, showing clearance for different PSU lengths with and without the removable HDD cage.

3.5 Cable Management

Utilize the 20-38mm space behind the motherboard tray to route and organize cables, ensuring a clean interior and unobstructed airflow.

STURDY STRUCTURE

1.0 mm Steel thickness



Figure 10: Visual representation of the cable management capabilities in the ANIDEES AI Raider XL PC case, highlighting the 20mm and 38mm depth behind the motherboard tray.

4. OPERATING THE PC CASE

4.1 Front I/O Panel

The top panel provides convenient access to essential ports:

- 1x USB-C port
- 2x USB 3.0 ports
- Microphone jack
- 3.5mm audio jack

Connect your peripherals and audio devices as needed.

5. MAINTENANCE

5.1 Dust Filter Cleaning

The ANIDEES AI Raider XL includes removable dust filters for easy maintenance. Regularly clean these filters to prevent dust buildup and maintain optimal airflow and cooling performance. To clean, gently remove the filters, tap out loose dust, and if necessary, rinse with water. Ensure filters are completely dry before re-installing.

5.2 General Cleaning

Wipe down the exterior of the case, including tempered glass panels, with a soft, damp cloth. Avoid abrasive cleaners that could scratch surfaces. Ensure the PC is powered off and unplugged before cleaning.

6. SPECIFICATIONS

Feature	Detail
Brand	A ANIDEES
Model Name	AI Raider XL
Case Type	Full Tower
Motherboard Compatibility	HPTX, XL-ATX, E-ATX, ATX, m-ATX, mini-ITX
Drive Bays	12 x 5.25" (ODD or HDD/SSD with brackets)
Max Graphics Card Length	530 mm (20.8 inches)
Max Vertical GPU Thickness	49 mm (1.93 inches)
Max CPU Cooler Height	190 mm (7.4 inches)
Max PSU Length	300 mm (11.8 inches)
Radiator Support (Top/Front)	Up to 480 mm
Radiator Support (Side/Bottom)	Up to 360 mm
Radiator Support (Rear)	140/120 mm
Fan Support	Up to 20 x 120mm fans
Front I/O Ports	1x USB-C, 2x USB 3.0, Mic, 3.5mm Audio
Cable Management Space	20-38 mm
Material	Metal, Tempered Glass
Item Weight	42.8 pounds
Product Dimensions	24.41 x 9.25 x 23.43 inches

7. TROUBLESHOOTING

7.1 General Issues

- **No Power:** Ensure all power cables (PSU to wall, PSU to motherboard, components) are securely connected. Check the power switch on the PSU.
- **Overheating:** Verify all fans are spinning correctly and installed in the proper orientation for airflow. Clean dust filters. Ensure CPU cooler and GPU fans are functioning.
- **Component Fit Issues:** Refer to the specifications section for maximum dimensions of GPUs, CPU coolers, and PSUs. Ensure all components are correctly seated.
- **USB/Audio Ports Not Working:** Check internal cable connections from the front I/O panel to the motherboard headers. Ensure motherboard drivers are up to date.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ANIDEES website or contact their customer service directly. Keep your proof of purchase for any warranty claims.