

Lian Li A3X.US

Lian Li A3-mATX Micro Form Factor Chassis User Manual

Model: A3X.US | Brand: Lian Li

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Lian Li A3-mATX Micro Form Factor Chassis. Designed for compact yet powerful PC builds, this 26.3L chassis offers flexible component compatibility and efficient cooling solutions. Please read this manual thoroughly before beginning assembly to ensure proper installation and optimal performance.

2. SAFETY INFORMATION

- Always disconnect power from all components before installation or maintenance.
- Handle all components with care to prevent damage from static electricity. Use an anti-static wrist strap if available.
- Ensure proper ventilation around the chassis to prevent overheating.
- Keep small parts and tools away from children.
- Do not attempt to modify the chassis structure, as this may void your warranty and cause damage.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Lian Li A3-mATX Chassis (Black)
- Accessory Box (containing screws, zip ties, and other small parts)
- User Manual (this document)
- Power Cable Extension (pre-installed for PSU)

4. SETUP AND INSTALLATION

4.1. Preparation

Unpack the chassis and place it on a stable, flat surface. Gather all necessary PC components and tools (screwdrivers, anti-static mat/strap).

4.2. Panel Removal

The side and top panels of the Lian Li A3-mATX chassis are designed for easy removal, allowing full access to the internal components. Simply pull on the designated tabs or edges to detach them. The mesh design of the panels also contributes to excellent airflow.



Figure 4.2.1: Front view of the Lian Li A3-mATX chassis.



Figure 4.2.2: Side view showcasing the mesh panel design for ventilation.

4.3. Motherboard and CPU Cooler Installation

The chassis supports M-ATX and ITX motherboards. Install your motherboard and CPU cooler (air cooler or AIO) according to their respective manuals. The spacious interior allows for large air coolers up to 165mm in height.

LARGE COMPONENTS COMPATIBILITY

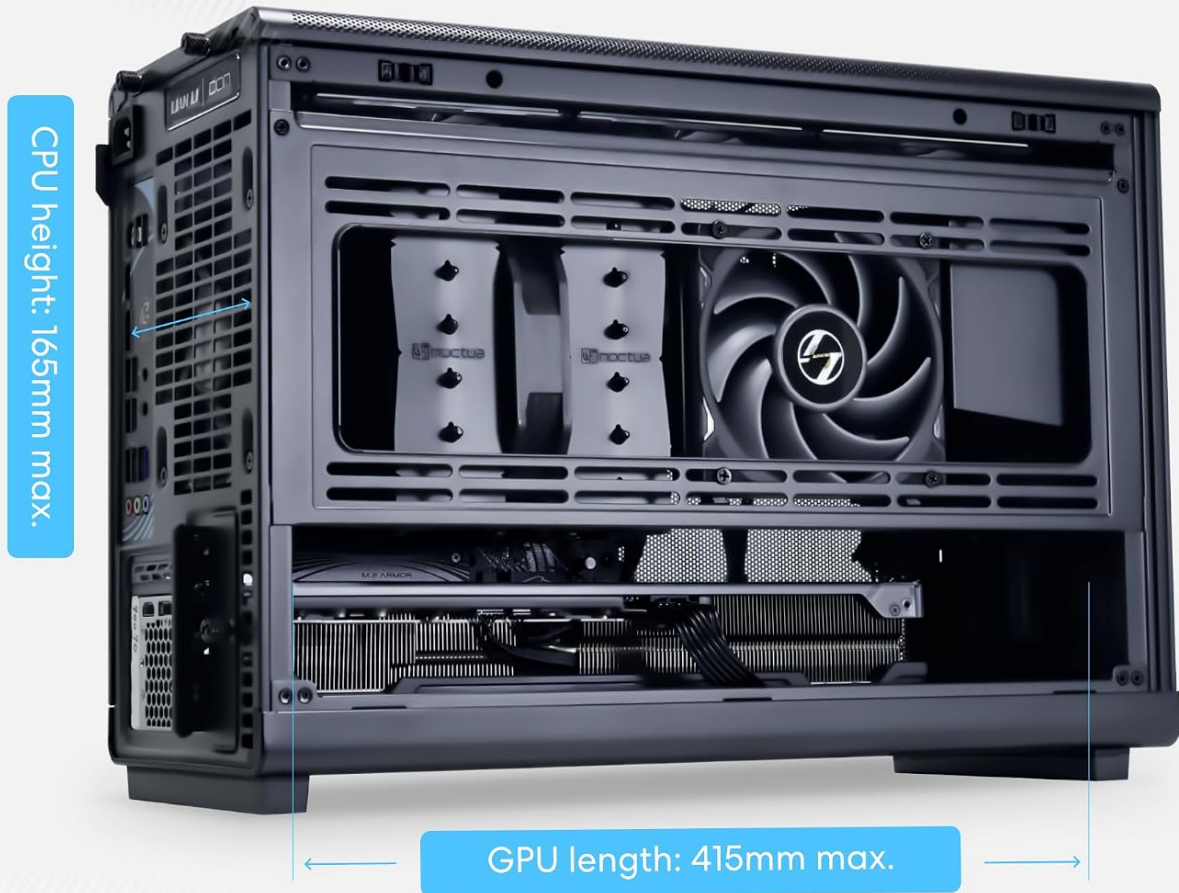


Figure 4.3.1: Internal layout demonstrating CPU cooler and GPU compatibility.

4.4. GPU Installation

The chassis accommodates large GPUs up to 415mm in length with 4 slots. Ensure your GPU is securely seated in the PCIe slot on your motherboard.

4.5. Power Supply Unit (PSU) Installation

The Lian Li A3-mATX offers flexible PSU installation options, supporting ATX, SFX, SFX-L, and LIAN LI Edge PSUs. These can be mounted either sideways or frontways depending on your configuration needs and other component sizes.

FLEXIBLE PSU INSTALLATION

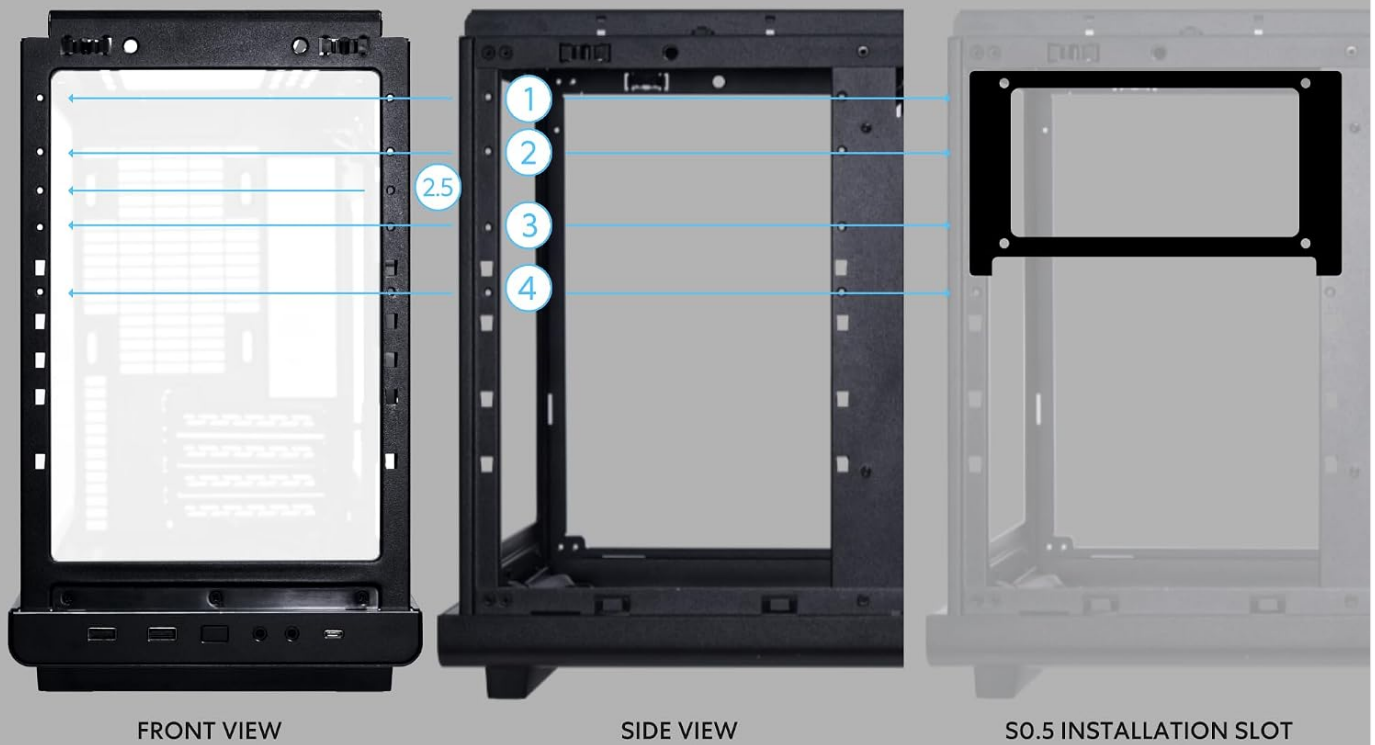


Figure 4.5.1: Visual guide for flexible PSU mounting positions.

Video 4.5.1: Official guide demonstrating front and side PSU installation in the Lian Li A3 chassis. This video provides detailed steps for various PSU types and configurations.

4.6. Fan and Radiator Installation

The chassis supports extensive cooling configurations, including up to a 360mm radiator and 10 x 120mm fans. Strategically place fans for optimal airflow, considering intake and exhaust points.

SPACE MAXIMIZED FOR COOLING

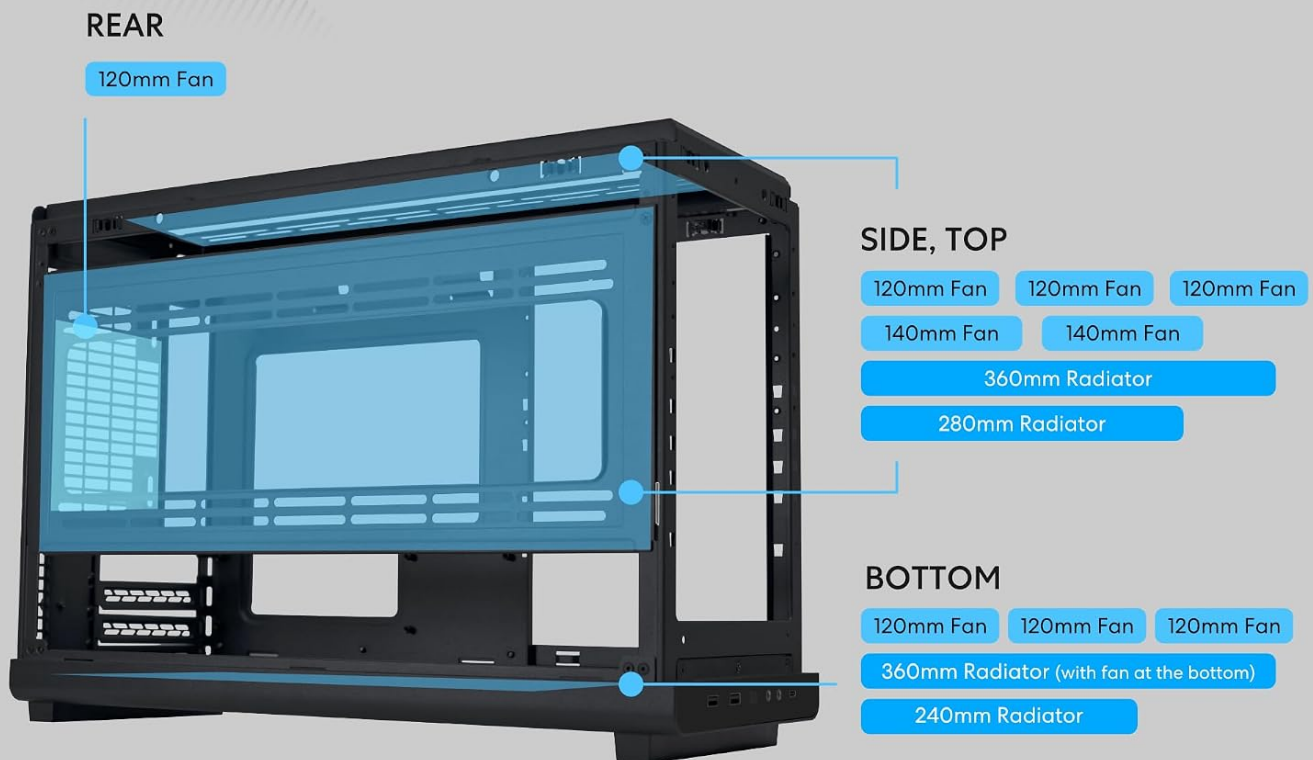


Figure 4.6.1: Overview of fan and radiator placement for maximum cooling efficiency.

Video 4.6.1: Demonstration of installing fans, including TL Wireless Fans, within the Lian Li A3 PC Case to enhance cooling performance.

4.7. Cable Management

While the A3-mATX is compact, careful cable routing is essential for optimal airflow and aesthetics. Utilize the provided zip ties and routing channels to neatly organize cables. The mesh panels conceal internal wiring, making clean management less critical for visual appeal but still important for performance.

5. OPERATING THE CHASSIS

Once all components are installed and secured, connect your peripherals and power cable. The chassis is designed for continuous operation, providing ample airflow through its steel mesh panels. Ensure the power supply switch is in the 'ON' position before attempting to power on your system.

6. MAINTENANCE

Regular maintenance helps prolong the life of your PC components and ensures optimal performance.

- **Dust Cleaning:** Periodically remove the side and top mesh panels and use compressed air to clean dust from the interior of the chassis, fans, and heatsinks.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Component Checks:** Ensure all cables are securely connected and components are firmly seated.

7. TROUBLESHOOTING

If you encounter issues with your Lian Li A3-mATX chassis, refer to the following common troubleshooting steps:

- **System Not Powering On:**
 - Check if the power cable is securely connected to both the wall outlet and the chassis's power input.
 - Verify that the power supply unit (PSU) switch is in the 'ON' position.
 - Ensure all internal power cables (24-pin motherboard, CPU, GPU) are correctly seated.
- **Overheating Issues:**
 - Confirm that all installed fans are spinning correctly and are oriented for proper airflow (intake/exhaust).
 - Clean any accumulated dust from fans, radiators, and mesh panels.
 - Verify that the CPU cooler is properly mounted and thermal paste is applied correctly.
- **Component Fit Issues:**
 - Refer to the specifications section for maximum component dimensions (GPU length, CPU cooler height, radiator size).
 - Ensure PSU is installed in the correct orientation and position for your chosen components.

8. SPECIFICATIONS

Feature	Specification
Brand	Lian Li
Model Name	A3X.US
Item Model Number	A3X.US
Item Weight	11.02 pounds

Product Dimensions (LxWxH)	17.4 x 7.6 x 12 inches
Color	Black
Material	Alloy Steel
Motherboard Compatibility	Micro ATX and ITX
Case Type	Mini-Tower
Recommended Uses For Product	Gaming
Power Supply Mounting Type	Frontways / Sideways (Flexible)
Cooling Method	Air
Max GPU Length	415mm
Max CPU Cooler Height	165mm
Radiator Support	Up to 360mm
Fan Support	Up to 10 x 120mm fans
USB 2.0 Ports	2
USB 3.0 Ports	2

9. WARRANTY AND SUPPORT

Lian Li products are manufactured to the highest quality standards. For warranty information, technical support, or service inquiries, please refer to the official Lian Li website or contact your local retailer. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question