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Lian Li LAN217X

Lian Li LANCOOL 217 Computer Case

Model: LAN217X - Instruction Manual

PRODUCT OVERVIEW

The Lian Li LANCOOL 217 is a mid-tower ATX PC case designed for optimal airflow and aesthetic appeal. It features genuine walnut wood accents and comes equipped with five pre-installed PWM fans to ensure efficient cooling for your CPU and GPU. This case supports flexible PSU mounting options and back-connect motherboards for a clean and streamlined build.



Image: The Lian Li LANCOOL 217 computer case, showcasing its black finish and genuine walnut wood accents on the front panel and top.

SETUP AND INSTALLATION

Dimensions

Before beginning your build, familiarize yourself with the case dimensions to ensure compatibility with your components and workspace.



Image: Diagram illustrating the dimensions of the LANCOOL 217 case: 503mm height, 482mm depth, and 238mm width.

Fan Configuration and Cooling Modes

The LANCOOL 217 comes with five pre-installed fans: two 170x30mm front fans, two 120mm reversed-blade fans, and one 140mm rear fan. The front fans can be adjusted to optimize airflow for either the CPU or GPU.

- **GPU Priority Mode:** Default setup, providing balanced cooling for both CPU and GPU.
- **CPU Priority Mode:** Front fans can be raised to direct airflow specifically towards the CPU for enhanced cooling efficiency.

The black version is accented with rich walnut wood, delivering a bold and contemporary feel. The white version incorporates light birch wood, offering a sleek, minimalist aesthetic ideal for modern tech setups.



Image: Visual representation of the flexible fan installation, showing the front fans in GPU Priority Mode (lower position) and CPU Priority Mode (raised position) to optimize airflow.

Power Supply Unit (PSU) Mounting

The case offers dual PSU mounting options for flexibility in cable management and component compatibility.

- **Standard Mode:** PSU connectors face the front, supporting ATX PSUs up to 220mm long. This mode supports one HDD cage.
- **Rotated Mode:** PSU is turned 90 degrees with connectors facing the right side, supporting compact PSUs up to 180mm. This optimizes cable routing and allows direct cooling of the PSU. This mode allows for two bottom fans under the bracket for hidden HDD cages.

FLEXIBLE INSTALLATION, TOOL-LESS DESIGN

The LANCOOL 217 uses a tool-less fan mounting system with rubber pads on the front and bottom fans, allowing users to easily shift between CPU-focused and GPU-focused cooling modes.



GPU Priority Mode

(Balanced cooling for CPU and GPU)



CPU Priority Mode

(Front fans raised to enhance CPU cooling)

Image: Comparison of Standard Mode (PSU up to 220mm) and Rotated Mode (PSU up to 180mm) for power supply installation, highlighting cable management benefits.

Motherboard Compatibility

The LANCOOL 217 supports a wide range of motherboard sizes, including back-connect motherboards for a cleaner build.

- **Supported Motherboard Sizes:** EEB (width <330mm), E-ATX (width <280mm), ATX, Micro-ATX, Mini-ITX.
- **Back-Connect Motherboard Support:** ATX, Micro-ATX.

Note: For E-ATX motherboards, the right-side bracket needs to be flipped. For EEB motherboards, remove the shielding plate on the right-side bracket and the rubber grommets for cable routing.

DUAL PSU MOUNTING, FLEXIBLE BUILDS

The LANCOOL 217 supports two PSU mounting ways, giving the users more options based on the PSU size, cable routing, and overall build layout. This flexible design makes it easier to set up the system, enhancing convenience and compatibility.



(Standard Mode)

When the PSU connectors face the front, it supports ATX PSU up to 220mm long, which is suitable for most standard installs.

Note: Standard mode only supports one HDD cage. If users want to install two HDD cages, please switch to rotated mode.



(Rotated Mode)

When the PSU is turned 90° with the connectors facing the right side, it supports compact PSU up to 180mm. This optimizes cable routing space and allows the fan to directly cool the PSU for improved cooling efficiency. Users can also move the two included bottom fans under the bracket for a hidden look, making the build cleaner and more organized.

Image: Diagram illustrating the various motherboard form factors (ITX, M-ATX, ATX, E-ATX, SSI-EEB) that can be installed in the LANCOOL 217 case.

OPERATION

Powering On Your System

The LANCOOL 217 is equipped with dual power buttons for convenient access, allowing you to power on your system regardless of its placement.

Airflow and Cooling

The pre-installed fans and optimized design ensure efficient airflow to keep your components cool during operation. The front fans provide powerful intake, while the rear fan acts as an exhaust.

READY-TO-GO COOLING WITH 5 PRE-INSTALLED FANS

The LANCOOL 217 chassis comes equipped with high-performance fans at the front, rear, and bottom, providing powerful airflow to keep internal components running smoothly and reliably.



Image: Illustration of the airflow path within the LANCOOL 217 chassis, demonstrating how the pre-installed front, rear, and bottom fans create effective cooling for internal components.

MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust filters and internal components using compressed air or a soft brush. Dust accumulation can impede airflow and lead to overheating.
- **Fan Inspection:** Check fans for any obstructions or unusual noises. Ensure all fans are spinning freely and quietly.
- **Cable Management:** Ensure cables are neatly routed and do not obstruct airflow. Re-organize if necessary.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

No Power / System Not Starting

- **Check Power Connections:** Ensure the PSU is properly connected to the wall outlet and the motherboard. Verify all internal power cables (24-pin ATX, CPU, GPU) are securely seated.
- **Front Panel Connectors:** Double-check that the power switch cable from the front panel is correctly connected to the motherboard's front panel header.
- **PSU Switch:** Ensure the power switch on the back of the PSU is in the 'ON' position.

Excessive Noise

- **Fan Noise:** Identify which fan is making noise (CPU cooler, GPU fans, case fans, PSU fan). Ensure no cables are obstructing fan blades. Clean any dust buildup on fan blades.
- **Vibrations:** Ensure all components (PSU, hard drives, SSDs, fans) are securely mounted to prevent vibrations.

Overheating Issues

- **Airflow Obstruction:** Ensure no cables or components are blocking airflow paths.
- **Dust Buildup:** Clean dust filters and internal components regularly.
- **Fan Orientation:** Verify that case fans are oriented correctly for optimal intake and exhaust.

SPECIFICATIONS

| Feature | Detail |
|---------------------------|--|
| Brand | Lian Li |
| Model Name | LAN217X |
| Case Type | Mid Tower |
| Motherboard Compatibility | ATX, E-ATX, EEB, Micro-ATX, Mini-ITX |
| Color | Black |
| Material | Alloy Steel |
| Pre-installed Fans | 2x 170mm front, 2x 120mm reversed-blade, 1x 140mm rear |
| Power Supply Mounting | Front Mount, Bottom Mount (Standard/Rotated) |
| Cooling Method | Air |
| Recommended Uses | Gaming |

WARRANTY AND SUPPORT

For detailed warranty information, technical support, and additional resources, please refer to the official Lian Li website.

Official Lian Li Website: Visit the Lian Li Store on Amazon

